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WEAPONS SYSTEMS EVALUATION GROUP (DEFENSE) ARLINGTON VA REVISION OF FALLOUT PARAMETERS FOR LOW-YIELD DETONATIONS. (U)

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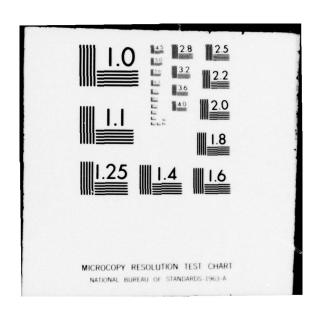
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REVISION OF FALLOUT PARAMETERS FOR LOW-YIELD DETONATIONS

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SUPPLEMENT TO WSEG RESEARCH MEMORANDUM NO. 10 WEAPONS SYSTEMS EVALUATION GROUP
THE PENTAGON
WASHINGTON 25, D. C.

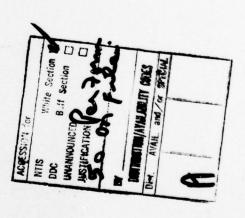
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Supplement to WSEG Research Memorandum No. 10 REVISION OF FALLOUT PARAMETERS FOR LOW-YIELD DETONATIONS

George E. Pugh



Weapons Systems Evaluation Group
The Pentagon
Washington 25, D. C.

REVISION OF PALLOUT PARAMETERS FOR LOW-YIELD DETONATIONS

Since the original publication of WSEG Research Memorandum No. 10 we have become aware of additional information on the transport of radioactive debris from low-yield detonations. These data indicate that one cannot assume the same distribution of activity versus particle size for both high- and low-yield detonations. We are, therefore, issuing this supplement which is intended to correct the data for the kiloton-yield range.

Analysis of this additional low-yield deposition data indicates that the debris is carried only about half as far as would be expected if the distribution of activity versus particle size were the same as for the megaton-yield detonations. Since there is no information available indicating how the low-yield results should join with the high-yield results, a simple modification of the T function has been arbitrarily selected which accomplishes this change and feeds smoothly into the previous results at about one megaton. The revised expression for T to replace equation (37) in Research Memorandum No. 10 is:

$$T = \left[12 \left(\frac{ho}{50} \right) - 2.5 \left(\frac{ho}{50} \right)^2 \right] \left[1 - \frac{1}{2} e^{-\left(\frac{ho}{25} \right)^2} \right]$$

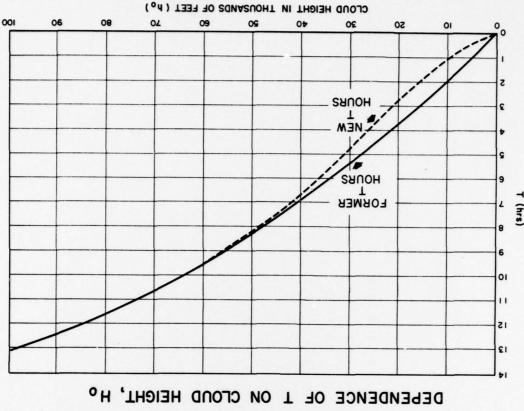
(This, of course, also changes the expression for T on page 51 of Research Memorandum No. 10.) Figure 1 shows the new plot of

re-examination of the meteorological data indicates that these .8 knots per thousand feet instead of: .1, .2, .4 as was done changes and give the new results. The new tables can be read The new tables are plotted for values of the shear: .2, .4, A new set of tables is included which incorporate these exactly as the previous tables. One change should be noted. in the original memorandum. This change was made because a values are more typical of the effective fallout winds in temperate zones for the lower altitude radiosctive clouds

Since the original publication, two other questions have been raised which merit some comment:

that the DASA value used for k (the number of roentgen square products other than rare gases. His results seem to indicate out by C. F. Miller at USNRDL on the fractionation of fission The first question concerns the total radiation assumed per megaton. Additional calculations have now been carried miles per megaton fission) may be too high. However, additional research will be required to clarify this point.

case of very strong winds the cloud might be carried completely It is pos ed out that it takes a finite time before extensive fallout begins to arrive on the ground and, therefore, in the which was inadequately qualified in the original memorandum. The second point concerns the extent of upwind fallout,



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time are poorly understood there are inherently large uncertainbursts under conditions of large effective winds. The existing drift of the measured upwilled extent despite considerable direct able experimental data on upwind deposition have been examined evidence for a time delay in the deposition. Consequently, it less than most older models under conditions of large wind is, depend on a combination of analysis of existing data and theoretical extrapolation. Because the fallout processes at early and, therefore, always produces an upwind extent which, while is not possible to resolve the question by direct examination ground. The model used here does not allow for such a delay again with this problem in mind. Unfortunately little or no experimental data is available on upwind fallout from ground of this experimental data. Any attempt at a resolution must ground burst deposition patterns show little or no downwind downwind before debris covering a large area arrived on the nevertheless, quite significant in some applications. ties in such an extrapolation. A specific investigation of the upwind fallout data for megaton yields, using both water and land surface burst data, has been made by Gilbert J. Perber of the U.S. Weather Bureau. Ferber proposes an empirical rule for the estimation of upwind fallout which is based on about a 20-minute delay between the detonation and the first arrival of significant fallout. He

I Upwind Fallout from Nuclear Detonations in the Megaton Range by Gilbert J. Ferber, April 1960.

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also tabulates experimental data on upwind and crosswind extent of fallout for comparison with his predictions. Examination of his tabulated data shows that the data are generally consistent with the Perber predictions and that at least two water surface bursts are not consistent with the tabulations in this memorandum where no time delay is included. It may, therefore, be appropriate to incorporate such a delay in the model.

Such a simple delay can be rigorously incorporated into the predictions of this memorandum simply by translating all contours downwind by a distance equal to that traveled by the effective wind in the delay time. When a 20-minute delay is included, the results of this memorandum become quite consistent with the data tabulated by Perber.

Unforbunately, the data on actual time of arrival of radioactive debris indicate that the time of arrival will vary from considerably less than 20 minutes close to ground zero to considerably more at larger distances. The use of the constant delay, therefore, under conditions of large wind may leave the region in the immediate vicinity of ground zero erroneously free of significant fallout. The existing experimental data on time

The "upwind" extent shown for "zero" wind in the tables is not related to the problem considered here. That extent is quite arbitrary and actually results from using a value for the x component of the shear which is close to .2 knots/1000 feet. Other values for sx would give very different results. The case is shown only to indicate qualitatively the behavior of the formula for very low wind speeds.

of arrival and displacement of arrival position with wind velocity at early times is not adequate to provide a reliable prediction of the extent of fallout near ground zero under conditions of medium slowly for large wind velocities which affect the close in region effect in a reasonable way for a variety of yields one can reduce knot wind. While the contours near ground zero estimated in this to large effective fallout wind. Thus, in any application where decrease almost linearly with increasing wind velocity, but more for both water and ground burst megaton detonations, they should used without qualification. It seems quite likely that correct of early fallout. This general result is obtained by Ferber by all the upwind distances given in the tabulation by a factor of This decreases the upwind extent by about a factor of two at 20 be treated as rough estimates only and should not be used withwind extent. The upwind extent for low wind velocities should way appear to be reasonably consistent with the available data none. If it is necessary to make an estimate it may be approof th smoothly tapered contours to a diminished estimate of uppriate to displace the crosswind extent given for ground zero about 20 minutes downwind and connect this crosswind estimate specific fallout contours near the ground zero are important, using a two-mile minimum for the upwind extent. To give this knots for a 5-megaton burst and by a factor of four for a 60answers for megaton yields would fall between those obtained of th about 20-30 minute displacement and those obtained with neither this model nor any model presently available can be the form 1 + yW, where 7 is roughly equal to .803 ho/6. out appropriate qualifications.

it may be better to use the tabulated contours without alteration. above were proportional to the stabilization height of the radioactive cloud, it would imply a delay for other yields (in hours) extent obtained in this way is somewhat too small for very small of about (1/3 ho/50). There is some indication that the upwind Much the same type of uncertainty near ground zero is also the delay time for fallout arrival from very low yields is very yield detonations, where no toroid is formed. For such yields applicable to low-yield detonations, however, it is clear that much less than 20 minutes. If the effective delay as assumed

Calculated Fallout Contours

("#+1" Dose Rate Contours!

.001 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOUL® BE READ BEFORE LAST 2 DIGITS.

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Table 1

Calculated Fallout Contours ("#+1" Dose Rate Contours)

.001 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

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EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	POSITION	EFFECTIVE FALLG MAXIMUM DOWN-WIND DISTANCE 3400 3240 2540			ALTITUDE ACTUAL AREA	SSTIMATED AREA (ELLIPSE) 9415	RANGE TO MAXIMUM
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAZIMUM	Positi	EFECTIVE FALLC 3 MAXIMUM DOWNWIND DSTANCE 3240 3240 2545			ALTITUDE ACTUAL AREA	7 ESTIMATED . AREA (ELLIPSE) 94.15	RANGE TO MAXIMUM WIDTH
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FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	Position of the state of the st	EFFECTIVE FALLC			ACTUAL AREA	ESTIMATED AREA (ELLIPSE) 9415	RANGE TO MAXIMUM
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CONTRIBUTE CON	MAN DA	EFFECTIVE FALLC 3 MAXIMUM DOWNWIND DISTANCE 3808 3240			ACTUAL AREA	ESTIMATED AREA (ELLIPSE)	RANGE TO MAXIMUM WIDTH
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Table I-1 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours,

.001 YIELD (MEGATONS) 40 WIND (KNOTS)

ALL DISTANCES AND ABEAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	### ##################################	CADSSWIND MAXIMUM ACTUAL ESTIMATED RANGE TO MAXIMUM ACTUAL AREA MAXIMUM ACTUAL AREA MAXIMUM ACTUAL AREA MAXIMUM ACTUAL ATTUAL ATTUAL ACTUAL MAXIMUM ACTUAL ATTUAL ACTUAL AREA MAXIMUM ACTUAL ATTUAL ATTUAL ACTUAL AC	### CHALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE MAXIMUM CHOSSWIND MAXIMUM ACTUAL ESTIMATED EANGE TO DON-WINTHIND HALEWIDH CHOSSWIND ALEA (ELITES) WINTHIND MAXIMUM ALEA (ELITES) WINTHIND MAXIMUM ALEA ALEA	### STATE OF
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Table I-2 Supplement to WSEG RM No. 10

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Calculated Fallout Contours

("#+1" Dose Rate Contours!

.001 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

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13- 3844 20	01	-02	5662	2	63	2668	•
	9	-	3844	20	37	2157	2060
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Table 1-3 Supplement to WSEG RM No. 10

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1911
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S MAXIMUM CROSSWIND HALFWIDTH 176 1255 76 40

MAXIMUM UPWIND POSITION 31-20-13-

FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUD

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8-24-59-2

9-54

("#+1" Dose Rate Contours)

.003 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BÉFORE LAST 2 DIGITS.

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Table I-4 Supplement to WSEG RM No. 10

Calculated Fallout Contours

("#+1" Dose Rate Contours)

.003 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Table 1-5 Supplement to WSEG RM No. 10

Calculated Fallout Contours ("#+1" Dose Rate Contours)

.003 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

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### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAZIMALIA	www.		TVE FALLO TVE FALLO SWIND NWIND NWIND NO 130		0-	FT. ALTITUDE	356 7 ESTIMATED AREA (GELIPSE)	8
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	AMAZIE POSTA		IVE FALLO 3 GAMUM NWIND NWIND NAMCE 901		0-	FT. ALTITUDE	7 ESTIMATED AREA ((ELIPSE)	
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### STRECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE MAXIMUM			IVE FALLO 3 GRAUM NWIND ANCE 801		0 -	FT. ALTITUDE OCTUME AREA	65TIMATED AREA AREA (GLUPSE)	
### ### ### #### #### ################			IVE FALLO 3 GIMUM NIWIND ANCE 901		0 -	FT. ALTITUDE	7 ESTIMATED AREA (ELLIPSE)	
### STRECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AMAINMUM***********************************			IVE FALLO 3 GIMUM INWIND INNIND INNI		0 -	ACTUAL AREA	ESTIMATED AREA (ELLIPSE)	
### ### ##############################			IVE FALLO 3 3 CIMUM NWIND NWIND NANCE ANG		0 -	ACTUAL AREA	7 ESTIMATED AREA (ELLIPSE)	
Activities Act			13 CIMUM NWIND NANCE NO 1		0 -	ACTUAL AREA	7 ESTIMATED AREA (ELLIPSE)	
Continue			SUMUM CIMUM NANCE NANCE	CROSSWIND HALFWIDTH AT ORIGIN	S MAXIMUM CROSSWIND HALFWIDTH	ACTUAL	ESTIMATED AREA (ELLIPSE)	
MAXIMUM MAXIMUM CROSSNIND MAXIMUM ACTUAL STIMATED			GIMUM NWIND ANCE 001	CROSSWIND HALFWIDTH AT ORIGIN	AAXIMUM CROSSWIND HALFWIDTH	ACTUAL	ESTIMATED AREA (ELLIPSE)	
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Committee Comm		-	NWIND ANCE	HALFWIDTH AT ORIGIN	CROSSWIND	AREA	AREA (ELLIPSE)	RANGE TO
Color			ANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	MAXIMINA
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FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE				**	*	1480	1631	1800
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EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE								
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FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 2								
STATISTICAL								
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41- 6194 49 649 53103 61605 36- 3612 39 276 14137 15696 36- 2595 32 150 5132 5609 16- 1136 24 62 938 1119 5- 314 12 12 81	Silico		AME	AI ORIGIN	HALPWIGH		(ELLIPSE)	WIDIM
34- 4983 44 54 3193 35821 30- 3812 39 278 1417 13896 84- 2389 32 190 8132 5409 16- 1136 24 62 996 1119 5- 314 12 12 81 40			1	:	23	53103	61605	4500
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Table 1-6 Supplement to WSEG RM No. 10

8-24-59-2

Calculated Fallout Contours

("#+1" Dose Rate Contours.

.003 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

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1	CINIMO	DOWNWIND	TAI ENGINE	CHIMOSOR	4864	AREA	MAXIMIM
(ROENIGENS)	NOILING	DISTANCE	AT OPIGIN	HALFWIDTH	5	(ELLIPSE)	WIDTH
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0000							
30000							
MAXIMIM DOSE							
321							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
-	2		•	\$	•	1	60
DOSE	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMIM	ACTUAL	ESTIMATED	RANGE TO
(BOENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
(ROEINI OEINS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
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Zer							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	1	KNOTS/1000 FT. ALTITUDE		
	,				•	,	•
9000	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(BOENTGENE)	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
(2011)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	ķ	10863	•	916	78403	1518	100
c	-65	2	•	347	41315	4407	9000
01	27-	5637	*	2	18046	17321	3200
30	-02	32.25	2	44	4290	100	2100
100	-01	122	11	*	*00	14	88
300							
1000							
3000							
10000							
30000							
MAXIMUM DOSE							
222							

Table I-7 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours)

.003 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ REFORE LAST 2 DIGITS.

	MACHANIAM UNIVERSITY OF THE STATE OF THE STA	SACKINGIAN DOWNWIND DISTANCE 19881	CROSSWIND	S	ACTUAL	ESTIMATED	RANGE TO
ŷ	OSTRINO NOTICE N	MAXIMUM DOWNWIND DISTANCE 19801 19873 11301	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
	OSHOON NOTICE AND A PARTY AND	DOWNWIND DISTANCE 19801 19801 11301 7304	HALFWIDTH	-		ABEA	
	No. 4 4 4 7 7 4	19801 19813 11301		CROSSWIND	AREA	5	MAXIMUM
1000 1000 1000 1000 1000 1000 1000 100	¥ # # # #	i i i i	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
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3000 3000 3000 3000 800 800 800		*	=	2	•	108	200
1 0000 30000 CIMUM DOSE							
30000 CIMUM DOSE E30							
2							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
	,						•
35	AAX IMUM	MAXIMIM	CROSSWIND	MAXIMIM	ACTIVE	FETIMATED	BANGE TO
2	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	ARFA	MAXIMIM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	5	(ELLIPSE)	WIDTH
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•	31-	13013	*	8	30.174	4	8
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8	1	2072	1.2	2	761	752	1200
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2000							
10000							
30000							
MAXIMUM DOSE							
1		EFFECTIVE FALLOUT SHEAR 0.8	OUT SHEAR 0.		KNOTS/1000 FT. ALTITUDE		
-	2	,	•			,	
BOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	ACTUAL	FSTIMATED	PANGE TO
(ROENIGENS)	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	¥	14978	£\$	+83	****	106757	9600
•	-16	11223	*	£	**78*	51965	7780
01	ż	1081		25	18950	17362	4500
30	-11-	3700	*	20	3927	****	2100
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000							
3000							
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WAXIMIM DOSS							
300							

Table I-8 Supplement to WSEG RM No. 10

8-24-59-2

Calculated Fallout Contours

("#+1" Dose Rate Contours)

.01 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

(ROENIGENS)		,		•	•	,	•
(ROENIGENS)	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
- 7 9	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
- 0 9	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-089	-	44.0	***			2
٠.		200	-	-			-
	1	523	209	905		2007	
2	-	3	- 5	2	1467	8103	
8	435-		470	2	9510	2000	
8	-196	102	85	386	3613	3886	
800	-082	153	310	310	966	2110	
0001	148-	\$	163	163	141	***	
3000							
10000							
30000							
MAXIMUM DOSE							
1500							
		The Later of the l	1	2 0001/ 320147	TAITING T		
		EFFECTIVE FALLOUI SHEAK	OUI SHEAK 0.4	KNOIS/ 1000 FI . ALIII UDE	I. ALIIIODE		
-	,	9	•	\$	•	7	
DOSE	MAXIMIM	MAXIMINA	CROSSWIND	MAXIMIM	ACTUAL	FSTIMATED	RANGE TO
100000000	UNIMOI	DOWNWIND	HILLMINE	CONTACO	ARFA	ARFA	MAXIMIM
KOENI GENS	NOUTINO	DISTANCE	AL OBIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	****	8.30			19001		
		450	2011	201	1		
•	-910	208	1055	1033	2	10072	
9	456-	416	936	936	11907	-	
8	307-	313	812	818	9699	8000	
8-	310-	201	650	920	0664	5305	
300	223-	96	495	435	2188	2296	
1000							
3000							
10000							
10000							
MAXIMUM DOSE							
090							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	KNOTS/1000 FT. ALTITUDE	T. ALTITUDE		
					,	,	
	7	-		•		200000000000000000000000000000000000000	0130110
200	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	4064	4964	TO TO THE PERSON NAMED IN
(ROENTGENS)	DAIMA	DOWNWIND	HALPWIDIN	HAISWIND	5	(FILIPSE)	WIDTH
		201010			357.05		
		170	4134	45.54	20.00	1	
n :		3	1937	1937	50002	58682	
2 9	-334	200	8	2		200	
3 5		303		-			
3	-	5	9501	960	1000		
200	-	8	537	237	388	2	
0001							
3000							
1 0000							
30000							
MAXIMUM DOSE							
•						,	

Table I-9 Supplement to WSEG RM No. 10

("#+1" Dose Rate Coutours)

.01 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

### CROSSWIND #### CROSSWIND ##### CROSSWIND ###### CROSSWIND ######### ########################	6.0	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6
		KNOTS/1000 FT. ALTITUDE MAXIMUM ACTUAL CROSSWIND ACTUAL CROSSWIND ACTUAL ALTANDITION SALE SALES 144 5428 144 5428 144 5428 144 5428 144 1879 144 1829 144 1849 144
	FT. ALTITUDE ACTUAL AREA ACTUAL AREA CONTRIBUTE ACTUAL AREA ACTUAL AREA SORGE SORGE SORGE SORGE ACTUAL AREA TH. ALTITUDE ACTUAL AREA TH. ALTITUDE ACTUAL AREA TH. ALTITUDE ACTUAL AREA TH. ALTITUDE ACTUAL AREA ACTUAL AREA	

Table I-10 Supplement to WSEG RM No. 10

1-24-59-2

Calculated Fallout Contours

("#+1" Dose Rate Contours!

.01 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	•	,			۰		
DOSE	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	ACTUAL	ARFA	MAXIMIM
CENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	5	(ELLIPSE)	WIDTH
_	-1-	12834	2	570	104975	118431	77.00
•	\$	10757	72	R.	67000	73862	1100
•	6	345	3	£	36740	39613	
	-	2019	6	2	17147	10133	320
,			2	1	250	22.5	818
800	-21		2	, ,		•	8
3000							
2 9							
MAXIMUM DOSE							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4	KNOTS/1000	KNOTS/1000 FT. ALTITUDE		
	•	•	•	,	•	,	•
	MAXIMIN	7	CHOROSOGO			SCTIMATED	PANCETO
1000000	IPWIND	DOWNWIND	CACOSSWIND	MONING	ACIONE	APEA	MAXIMIM
C S S	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	-7-	11995	2	920	152037	1738571	778
	\$	3	72	8	91191	103464	-
•	9	7037	3	1	44317	****	4004
•	-	4764	ň	662	17706	19626	3200
	- 92	2503		112	4310		1280
•	4	Ē	2	ņ	121	100	8
3000							
10000							
30000							
MAXIMUM DOSE							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	1.00	KNOTS/1000 FT. ALTITUDE		
	2		•	•	•	,	
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	DOLLA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	(ELLIPSE)	MAXIMUM
-	-22	10221	A	1481	220045	247264	4000
		B097		1050	120356	135671	9090
	-	*		5	50208	99048	3200
2	•	3464	50	331	10001	18236	2100
901	-12	1549		*:-	2847	2013	1200
2	=	517	23	2	197	192	
1000							
9000							
30000							
MAXIMIM DOSE							

Table I-11 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

.01 YIELD (MEGATONS)

40 WIND (KNOTS)

8 MAXIMUM WIDTH 16500 11700 9600 2190 5100 8 RANGE TO MAXIMUM WIDTH 11700 9600 5200 1200 1200 7 AREA AREA (ELLIPSE) 350530 1007110 57234 13733 EFFECTIVE FALLOUT SHEAR 0.2 KNOTS/1000 FT. ALTITUDE FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ACTUAL AREA 1225268 128405 128405 17076 29405 172 ACTUAL AEA 309-501 152-628 522-53 122-30 1711 CROSSWIND HALEWIDTH AT ORIGIN CROSSWIND HALFWIDTH AT ORIGIN TO SECOND TO SEC 3 MAXIMUM DOWNWIND DISTANCE 23000 13012 9310 4804 1205 MAXIMUM DOWNWIND DISTANCE 17832 13391 8809 4819 1670 MAXIMUM DISTANCE 20528 10171 11242 8824 796 MAXIMUM UPWIND POSITION

Table 1-12 Supplement to WSEG RM No. 10

Calculated Fallout Contours

("#+1" Dose Rate Contours!

.01 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.2	SO CON	KNOIS/ 1000 FIL. ALLII UDE		
-	2	•	•	\$	•	1	•
3000	MAXIMIM	MAXIMIN	ONIMISORO	MAN ING	*******	FSTIMATED	BANGE TO
	- Control	NOW INCOME.	Carlo Carlo	The Contract of the Contract o	1000	ABEA	MAXIMIN
(ROENTGENS)	DVINA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	1961119/	MACHINE THE
	NO INCO	DISTANCE	A CALCIN	HALFWIDIN		Trees, and	
-	-	38315	0,	434	202730	566233	3
•	-16	25787	~	313	117531	1	8
2	-14	16338	25	163	53223		8
e	-62	11478		103	19082	7700	28
8	-21	-79.	2	3	7176	3360	8 = 2
300	764	930		•	*	*	8
1000							
3000							
10000							
30000							
MAXIMUM DOSE							
305							
		EFFECTIVE FALLOUT SHEAD	OUT SHEAD OA	1	FUNCTS/1000 ET ALTITUDE		
-	2		•	•	•	,	•
3500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	DNIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	. AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	•	20425	0,	\$	276504	309327	10000
•	-16	21780	3	1	144024	101001	14000
•	-	14362	52	2	53017	56676	2
8	2	9608	7	2	18185	19747	4500
8	=	2960	2	:	2141	2060	188
300							
1000							
3000							
10000							
30000							
MAXIMUM DOSE							
202							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
-	,			\$	•	1	
9000	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	9	24321	04	1011	366753	412647	1 6600
•	-16	17604	95	149	100070	186034	11700
9	-	10424	26	327	49632	83788	900
8	2	5000	•	140	10477	•===	3200
81	-21	1	2	•	1111	1120	86
300							
1000							
3000							
1 0000							
30000							
AXIMUM DOSE							
-							

Table I-13 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours!

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

0 WIND (KNOTS)

.03 YIELD (MEGATONS)

RANGE TO MAXIMUM WIDTH RANGE TO MAXIMUM WIDTH 7 AREA (ELLIPSE) 99398 39398 39398 23848 18782 9090 ESTIMATED AREA (ELLIPSE) 80193 65519 56000 38696 E2201 7946 EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE EFFECTIVE FALLOUT SHEAR 0.2 KNOTS/1000 FT. ALTITUDE FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ACTUAL AREA 47329 391190 23731 18741 7732 999 ACTUAL 5 MAXIMUM CROSSWIND HALFWIDTH 1290 1185 1098 928 729 729 720 101 5 MAXIMUM CROSSWIND HALFWIDTH 2297 2091 1340 1376 1222 769 CROSSWIND HALFWIDTH AT ORIGIN 2297 2297 2091 1840 1576 1222 769 MAXIMUM DOWNWIND DISTANCE 1096 966 966 702 702 281 MAXIMUM DOWNWIND DISTANCE 1 199 1 199 1 767 767 767 902 2 MAXIMUM CURVINO CURV MAXIMUM MAXIMUM DOSITION 1180-1086-DOSE (ROENTGENS)

Table I-14 Supplement to WSEG RM No. 10

Calculated Fallout Contours

("#+1" Dose Rate Contours

.03 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST, 2 DIGITS.

		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.2		KNOTS/1000 FT. ALTITUDE			
-	2	6	•	5	•	1	80	
9008	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO	
SHEDEN	CHIMAIN	GNIMNAOO	HAIFWIDTH	CBOSSWIND	AREA	AREA	MAXIMUM	
(KOEMI OEMS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH	
						******	-	
	-	201	•		2007	CD12C2	3	
•	122-	200	193	1072	33.300		000	
•	-	1300	131	3	01474	90235	900	
30	-68	5679	•=	517	43418	46630	3200	
100	-00	3756	46	*	17029	17910	2100	
300	+3-	2062	70	149	4662	9940	1200	
0001				,	ī	7.	2	
2000		90	•	8	•	3	3	
2000								
1 0000								
30000								
MAXIMUM DOSE								
1107								
								Т
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE			
	•			,	•	1	œ	
	,	,	· Carrier of			COLINATOR	PANCETO	
200	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	ACIONI	COLIMATED.	O SOLVER	
(ROENTGENS)	ONIMO	DOWNWIND	HALPWIDIH	CKOSSWIND	Sar	TAKES!	MONING.	
	POSITION	DISTANCE	AT ORIGIN	HALFWIDIH	- Control Control	(ELLIPSE)	MIDIM	
-	-32-	4086	175	1922	308300	350956	900	
•	121-	24.0	0.1	1718	198156	224446	0000	
9.	105	A365	143	1180	105516	118611	4500	
30	-00	1999	124	749	48561	95626	3200	
801	-17-	2785	100	360	15478	16140	2100	
200		133	13		31.74	13.00	200	
200	-	1661	•	8		-	-	
200								
300								
10000								
30000								
MAXIMUM DOSE								
926								- 1
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE			
					•	,	•	
- 50	7				ACTUAL	CCTIMATED	PANCETO	
200	WAXIMUM.	MAXIMUM	CROSSWING	CONTRACTOR	APFA	AREA	MAXIMIM	
(KOENICENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH	
				-	******	******	*****	
		1.69		2700	278134	350136	98.00	
. 0	103-	5206	3	170	132519	150861	3200	
				•	A2004	40.00	2.0	
3.5	3				1300		200	
3 5				140	1905		8	
200	1		•	101	-	2	3	
0001								
3000								
00001								
30000								
MAXIMUM DOSE								
618								- 1

RANGE TO MAXIMUM WIDTH

7 KEA AREA (ELLIPSE) 1199772 111840 11967 11967 11967 11967 11968 11967 11968

2 WAXIMUM WOSSWIND CARGO 1 2005 1 2002 2 272 2 2800

CROSSWIND HALFWIDTH AT ORIGIN 38 38 33 28 33 28 27 28 2 19 22 38 0

MAXIMUM DOWNWIND DISTANCE 1921 1921 7123 7123 625 681

Table I-15 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours!

.03 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

CONTRICTORS WAXINGAM CROSSING CROSSI	- 350 - 00	2						
### ACTUAL GOSSWIND ACTUAL GITHATED TO CONTRINUED TO CONTRIBUTE CONTRIBUTED TO CO	3500				9	•	7	
127- 1994- 191 1914-1919 1914-19		MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	ACTION	FSTIMATED	PANCETO
STATE STAT	CENTGENS	UPWIND	DOWNWIND	HAISWINTH	Calland	1000	1301	2
### Control of the co	100000	POSITION	2011	HIGH CO.	CHOSSWIND	AKEA	AREA	MAXIMUM
112- 153-4 131 114- 3273-5 350021 127- 123-4 127 127- 127			DISTANCE	AL ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
11 14546 137 661 208171 227947 2			1000	151	1	323756	360021	14000
### 118465 180 0.00 118240 121340 121340 121340 121340 121340 121340 121340 121340 121340 121340 121340 13240	•	=	16346	137		204171	227047	
### 1973 102 307 112243 121244 24	01	1						3
### ### ### ### ### ### ### ### ### ##				2	2	042311	121364	8
### 1978 197 1646.2 1641.1 1642. 1641.1 1642. 1641.1 1642. 1641.1 1642. 1641.1 1642. 1641.1 1642. 1642. 1641.1 1642.	3		216	102	387	52963	56209	9000
### ### ##############################	8	*	5376	76	197	10562		3200
### EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***ANXIMUM CHOSSWIND MAXIMUM ACTUAL ESTIMATED TOSTANCE A CONTINUE (ELITISE) ***PERMIND CONTINUE ACTUAL CHOSSWIND MAEA (ELITISE) ***ITA- 11240	300	-57	234.2	*		1		
### EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***ALTIMULAM CROSSWIND MAKINUM ACTUAL STIMATED TOWNING DOWNWIND HALFWIDTH ALFWIDTH ACTUAL STIMATED TOWNING DOWNWIND HALFWIDTH ALFWIDTH ALFWIDTH ALFWIDTH ACTUAL STIMATED TOWNING TOWN	1000			:	3	255	2600	887
### ### ##############################								
### CONSTRING CO	2000							
### ### ### #### #####################	0000							
### STRECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***********************************	30000							
### EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AUXIMUM*** ***AUXIMUM*** ***AUXIMUM*** ***DONNNIND*** ***DONNIND*** ***DONNNIND*** ***DONNIND*** ***DONNNIND*** ***DONNNIND*** ***DONNIND*** ***DONNIND** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DONNIND*** ***DON	AX MARINA DOSE							
### STATITUDE CONSTRING CALIDITISTICATION CALIDITISTICATION	111							
### CONSTRUCTOR FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***********************************								
Authorities			CECENTAL PARTY					
Committee			CLICLINE PALL	OUI SHEAK 0.4	KNOIS/100	PIT. ALTITUDE		
STANDARD MAXIMUM MAX		,	•					
Continue	-		,		•	•	,	8
UWANING DONNING HALPWIDTH CROSSING AEEA (ELLIPSE)	Sost	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	FSTIMATED	PANCE TO
127	DENTGENS	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	ABEA	ABEA.	200
127- 17409 1534 1934 19401		POSITION	DISTANCE	AT CORCIN	HAISWINE	-	2000	WOW! YOU
137- 1709 153 1936 478071 239409 193904 152 1930 193904			100000	NI CALCINA	UNION TO		(ELLIPSE)	WIDTH
113- 14327 139 1400 2400000 21030000 21030000 21030000 210300000 210300000 210300000 210300000 210300000000000000000000000	-	127-	17609	153	98.01	475071	4.700.00	
### 1987 122 183 2400 319304 25007 2			2000				-	3
### 1920 122 319 1920 1948 1948					200	609092	319304	900
192 1942 194 219 33957 399004 23957 23957 23957 239504 23957 2		1	-	771	2	178	146155	18
### 1431	2	-8-	7141	104	916	53657	50006	4800
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE NAXIMUM ACTUAL ESTIMATED STIMATED STIMAT	8	-65	36.82	2	280	19740		3
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	300	-				200	-	8
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE MAXIMUM			:	:	8	200	2	800
### STATE OF THE PALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE *** AMAZIMUM CROSSINIO MAZIMUM ACTUAL ESTIMATED POSTANEO DISTANCE A OBTION HISTORY 1567 STEEL ST	000							
STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE STRANGE	3000							
Committee Comm	10000							
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***AACHAUMA MACHAUM ACTUAL STRAYED UWMIND DOWNWIND HALFWIDTH COSSWIND 136- 18672 101 3144 640409 7752465 118- 18213 104 104 640409 7752465 118- 18213 104 104 640409 7752465 118- 18213 104 104 640409 7752465 118- 18213 104 104 104 104 104 104 104 104 104 104	2000							
Committee Comm	2000							
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***ALTIMULA*** ***CHANCE ALCOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***CHANCE ALCOSSWIND ANAZIMULA** ***PERCONSTRING ALCOURTH CROSSWIND AREA AREA ***PERCONSTRUCT ALCOURTH CROSSWIND AREA AREA ***PERCONSTRUCT ALCOURTH CROSSWIND AREA AREA ***PERCONSTRUCT ALCOURTH AREA ***PERCONSTRUCT AREA ***PER	***							
Comparison	-	1						
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTIMATED CROSSWIND MAXIMUM ACTUAL ESTIMATED CROSSWIND MAXIMUM ACTUAL ESTIMATED MAXIMUM ACTUAL ESTIMATED MAXIMUM ACTUAL ESTIMATED MAXIMUM ACTUAL STEAD STATES ACTUAL ESTIMATED MAXIMUM ACTUAL AIEA AIEA STATES ACTUAL STATES ACTUAL STATES ACTUAL ESTIMATED MAXIMUM ACTUAL AIEA AIEA STATES ACTUAL STATES ACTUAL AIEA AIEA STATES ACTUAL AIEA AIEA STATES ACTUAL AIEA AIEA AIEA AIEA AIEA AIEA AIEA AI			EFFECTIVE FALL		KNOTS/1000	ET ALTITIOE		
MAXIMUM CROSSNIND MAXIMUM CROSSNIND MAXIMUM CROSSNIND								
MAZIMUM MAZIMUM ACTUAL ESTIMATED TORONAMINUM ACTUAL ESTIMATED TORONAMINED TORO		2	•		2	•	7	80
DOSTRING DOSTRING DALEWIDTH CROSSIND AREA AREA 1284 1957	200	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	PANGE TO
184- 1951ACE ALFWIDTH ALLWIDTH ALFWIDTH ALF	IOENIGENS)	DAIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMIM
126		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(FILIPSE)	1
112		126-	15572	•	****	-		-
96- 644 127 1269 151041 170842 77- 5130 106 642 46784 54141 52- 2221 02 232 8026 5986 21- 784 46 85 992 1078		11.0					C0261	8
77- 5130 106 642 45744 170442 77- 5130 106 642 6574 59141 170442 52- 5221 62 626 5969 51- 784 66 65 656 6969 1078					184	371843	422643	1100
77- 3130 100 642 46764 54141 52- 2221 02 232 8026 8986 21- 784 46 85 992 1078	2 :		•	121	1260	153041	170242	9000
52- 2221 62 232 6026 9989 21- 784 46 85 992 1078	2		5130	901	295	48784	54141	3200
21- 784 46 65 992 1078	8	-25	2221	95	282	8026	-	
	300	-12	784	*		000	90.01	200
3500 www. 00000 000000	1000				1	•		3
3500 wmw 00000 00001	1000							
3000 TO								
20000C	0000							
SSO WINNER DOSE	30000							
	XIMUM DOSE							
	1							

Table I-16 Supplement to WSEG RM No. 10

Calculated Fallout Contours

("#+1" Dose Rate Coutours)

.03 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DLCIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	00	RANGE TO	MAXIMUM	WIDTH	22100	19200	14000	1700	25.00		3								90	RANGE TO	MAXIMUM	WIDTH	22100	16500	11700	0009	2100	900						80	RANGE TO	MAXIMUM	WIDIM	19200	900	3	000	9	3					
	1	ESTIMATED	AREA	(ELLIPSE)	544172	324286	192783	-	2000										7	ESTIMATED	AREA	(ELLIPSE)	776670	423436	170491	53395	1150	500						1	ESTIMATED	AREA	(ELLIPSE)	1068295	217070		2000							
KNOIS/ 1000 FIL. ALIII UDE	۰	ACTUAL	4864		407485	203110	143073		900.0		9						SOUTHER TO COOL STOIRS	TI. ALINDE	•	ACTUAL	AREA		196500	360975	198651	50379	1190	665					KNOTS/1000 FT. ALTITUDE	۰	ACTUAL	AREA		952825	463875	2020	36256	14.						
	5	MAXIMIM	CMINOSOR	HALFWIDTH	7.00	121			8:		•								\$	MAXIMUM	CROSSWIND	HALFWIDTH	1562	1100	245	332	22	:						•	MAXIMUM	CROSSWIND	HALFWIDIH	2512	1631	6	200		*					
OUI SHEAK U.Z	•	CROSSWIND	HAISWIDTH	AT ORIGIN			15		8 8	20							o avana	OUI SHEAR U.	•	CROSSWIND	HALFWIDTH	AT ORIGIN	140	1.26	108	8	. 65						OUT SHEAR 0.8	•	CROSSWIND	HALFWIDTH	AT ORIGIN	142	127	101	8 8							
EFFECTIVE FALLOUI SHEAK	3	MAXIMIM	DAIMING	DISTANCE	*****	20110	2000		1362	9090	2461						C GASHS THOUSE SATES	ELLECTIVE PALL	3	MAXIMUM	DOWNWIND	DISTANCE	31130	24300	16834	10101	4286	1173					EFFECTIVE FALLOUT SHEAR		MAXIMUM	DON:NWIND	DISTANCE	26956	20117	0602	99	1						
	2	MAXIMIM	CNIMO	POSITION		1 100				-16	63								2	MAXIMUM	UPWIND	POSITION	-	104-	-68	-59	37-	•=						2	MAXIMUM	UPWIND	POSITION	-	103-	Ė	\$ 3		969					
	,	3000	10000000	(KOENIGENS)				2 :	90	8	300	000	2000	9000	MAXIMUM DOSE	;			-	pose	(BOENTGENS)			•	0	30	81	300	1000	3000	30000	MAXIMUM DOSE		_	DOSE	(ROENTGENS)		-	-	2	or :	3 6	86.	3000	10000	30000	MAXIMUM DOSE	224

Table I-17 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours)

.03 YIELD (MEGATONS)

80 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

1 1 2 2000 1 2000 1 2000 1 2000 1 2000 1 2000 200				CITECTIVE PALLOUI SHEAR U.S		ANOTAL INDICATE OF		
### COSSWIND MAXIMUM ACTUAL AC		2	3	•	3	0	1	90
CONTRING CONTRING CONTRIGED CONTRI	DOSE	MAXIMIM	MAXIMIN	CBOSSWIND	***************************************	*******	FETIMATED	DANICE TO
The color of the	100000	CHAINE	Contract of	1	The state of the s	1	4	2
### STATE OF THE S	DENICENS		SAN	HALFWIDIH	CROSSWIND	AREA	AKEA	MAXIMOM
13		201102	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
## 39607 119 39407 14019 3940 39409	-		14004	- 34	-	625472	689934	32000
### 1719 ### 190	•		30007	•	430	356807	184780	28.200
### TITES TO BE BOND T		78.	27572	90.				
### ### ##############################	9	-64	*****					3
### TITTO THE FEET OF THE FALLOUT SHEAR 0.4 KNOTS/ 1000 FT. ALITITUDE ***ALIMALIAN CROSSWIND MAXIMUM ACTUAL MISTA ALENDED ***DOWNWIND HALFWOOD TOO STATE OF 437040 ***STATE OF 100 STATE OF 44453 OF 44453 ***ALIMALIAN MAXIMUM ACTUAL MISTA ALENDED ***ALIMALIAN MAXIMUM ACTUAL MISTA ALENDED ***ALIMALIAN MAXIMUM MAXIMUM ALIMAL MISTA ALENDED ***ALIMALIAN MAXIMUM MAXIMUM ALIMAL MISTA ALIMAL ALIMAL MAXIMUM					-		*2506	8
### ### ##############################	3	ż	1111	•	3	10294	6196	3200
### SECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALITIUDE ***AXIMUM MAXIMUM KIND MAXIMUM KITUAL STITUTE ***AXIMUM MAXIMUM KIND MAXIMUM KITUAL STITUTE ***A 1001	300	•	956		02	101	432	200
### ##################################	1000							
### SEFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AXIMUM MAXIMUM COSSINING MAXIMUM ACTUAL STIMATED TO STANCE AT ORIGIN MAXIMUM ACTUAL STIMATED TO STANCE AT ORIGIN MAXIMUM ACTUAL STANCE AT ORIGIN A	3000							
### STATE OUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 113-	00001							
### STANCE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AXIMUM MAXIMUM COSSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND TOORSWIND TOORSWIND TOORSWIND TOORSWIND TOORSWIND TOORSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND TOORSWIND MAXIMUM ACTUAL ISTIMATED TOORSWIND	0000							
### ### ##############################	2000							
### CONTROL OF TALLOUT SHEAR 0.4 KNOTS/1000 FT. ALITTUDE ***********************************	200							
### ##################################	-							
### ACTIVITY OF THE PROPERTY O			FEFECTIVE FALL	OUT SHEAD O	1	ST ALTIFUDE		
MAXIMUM CROSSNIND MAXIMUM ACTUAL ESTIMATED				-				
### COSSWIND MAKINGHA ACTUAL ESTIMATED FINATED MAKINGHA ACTUAL ESTIMATED FINATED FINAT	-	~				•	7	Œ
UPPRING DÖNKYNING CAGSSING ALE ALLE	BOSE	MAXIMIM	MAXIME	CHINSSOR	***************************************	4071141	65714441750	0. 30000
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113- 1902	ENICERS		- Comment	HALFWIDIN	CHOSSWIND	737	AREA	MAXIMON
11.2 12.2 12.4 14.0 12.5 14.0 12.5		NOME	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	MIDIM
### 1190		4:	63023	134	1403	ASOOR2	OROJAS	20800
### ### ### ### ### ### ### ### ### ##			-		-		-	3
### 1190		1	-	-	R	0000	463218	22100
### 1910 79 247 44463 44410 ### 1910 79 247 44463 44410 ### 1910 79 247 44463 44410 ### 1910 79 247 44463 4410 Table	•		21477	8-	517	162361	175028	14000
### 6736 6674	2	-16	01611	20	247	44453	0144	1700
### 150 15	80	ż	4364	•	88	6302	6074	2100
### CONTINUE CONTINU	300		:		-	•	265	200
### STATE OF	1000							
### CONTINUE CONTINU	3000							
Committee Comm	0000							
### STATIOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***********************************	0000							
Committee	-							
### ### ##############################								
### STATIOUS FT. ALTITUDE 2 MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL GSTIMATED CONSWIND MAXIMUM ACTUAL GROSSWIND MAXIMU			-					
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTIMATED CONTROL OFFERENCE AT ORIGIN FALEWIDTH CROSSWIND AELA (ELLIFS) 1134 3400 139 2778 300418 950444 1200744 1200744 120040 1200744 1200744			EFFECTIVE FALL			FT. ALTITUDE		
MAXIMUM MAXIMUM ACTUAL GITIMATED MAXIMUM ACT		,						
Defension Defe	3500	MAXIMIM	MAXIMIN	Canadana			667111160	0
POT 13- 24-40 13- 27-30 1120744 1259149 113- 24-40 13- 27-30 1120744 1259149 13- 27-30 1120744 1259149 13- 27-30 1120744 1259149 13- 27-30 13- 27-30 13- 27-30 13- 27-30 13- 27-30 13- 27-30 12-30 13- 27-30 1	Tento tent	I PWIND	DOWNWIND	2000000	WASHING W	1	O SINGE	KANGELO
113- 24409 139 2178 1120744 1259146 2 90- 26473 120 1345 504118 595444 1 87- 730 79 277 30594 32228 24- 2401 45 90 3415 3431	10000	POSITION	DISTANCE	AL COROLL	HAIGWIDTH		19301197	MAXIMUM
24-7 120 13-5 100 15-5 100 100 100 100 100 100 100 100 100 10		-	-		-		10000	T C
78- 1947 100 638 147409 160944 11 87- 7380 79 277 30984 3228 24- 2401 49 90 3415 3431				8 3		***	201467	\$2500
24- 740 79 277 1445 145050 24- 2401 45 90 3415 3431				2	340	204118	220464	16500
24- 2401 45 90 3415 3431	25			200	950	147405	160560	9600
24.1 24.01 45 90 34.15 36.31	3		200	2	277	30584	32326	4500
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30000	10000							
PASS PASS	30000							
	IMUM DOSE							

Table 1-18 Supplement to WSEG RM No. 10

8-24-59-2

Calculated Fallout Contours

("#+1" Dose Rate Contours!

.1 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		RANGE 10	MAXIMUM	WIDTH													BANGE TO	MAXIMUM	WIDTH												90	RANGE 10	MAXIMUM											
	7	ESTIMATED	AREA	(FILIPSE)	19991	30000	00000		1	1816						2	FCTIMATED	. AREA	(ELLIPSE)	283898	232431	177904	130007	17231	26317						2	ESTIMATED	(FLLIPSE)	******	97004	3000	10000							
KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA		101	140636	46011	2010	29279	**					0.4 KNOTS/1000 FT. ALTITUDE		ACTION	AREA		273639	232160	178210	129536	76102	21006					KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA	402413		393379	16373	000						
	, ,	MAXIMUM	CROSSWIND	HALFWIDTH	2405	1022	2		1691	566					KNOTS/1000	,	MAXIMILA	CROSSWIND	HALFWIDTH	4292	3904	34.29	2929	2250	1365					1	s	MAXIMUM	CROSSWIND	707		201								
DUT SHEAR 0.2	•	CROSSWIND	HALFWIDTH	AT ORIGIN	5400	5504	1480		1601	566							Contraction	HALFWIDTH	AT ORIGIN	4292	3904	3429	6262	2256	1305					DUT SHEAR 0.8		CROSSWIND	HALFWIDTH	707			200							
EFFECTIVE FALLOUT SHEAR	3	MAXIMUM	DOWNWIND	DISTANCE	2174	904			962	-				•	EFFECTIVE FALLOUT SHEAR			DOWNWIND	DISTANCE	2102	1072	9191	1366	1069	129					EFFECTIVE FALLOUT SHEAR	3	MAXIMUM	DONNWIND	***			1207	100	!					
	2	MAXIMUM	UPWIND	POSITION	-0122	- 4303		1 202-	-086	247-							****	OPWIND	POSITION	-6012	1918-	- 605	1439-	-60-	-199						2	MAXIMUM	DOMIND	1000			1205-							
	-	9000	(ROENIGENS)			. :	2 2	901	300	1000	3000	00001	MAXIMUM DOSE	1001			9000	POENTGENE	TO THE PERSON NAMED IN COLUMN	-	9	2	8	8	300	3000	1 0000	30000	MAXIMUM DOSE 582			3500	(ROENTGENS)				30	901	300	1 000	3000	1 0000	MAXIMIM DOSE	204

Table 1-19 Supplement to WSEG RM No. 10

("#+1" Dose Rate Coutours)

.1 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Control Cont	MAXIMAM MAXIMAM CROSSNIND CROSSNIN			## ## ## ## ## ## ## ## ## ## ## ## ##
Continue	### COSSINION MAXIMUM CONSINION PRINCE AT DESCRIPTION PRINCE AT DE			9 . 9 n s n n n n n n n n n n n n n n n n n
CONTINUED CONT	Control Cont			9.000000
Constitute	### CONTRINCT CO		2•0-	9040000
Column	236- 113919 2916 226- 113919 2916 131- 3340 1199		2.0-	9040000
### 1990 1917 2194 418709 446928 1990 1	280- 11177 201 1100- 11177 201 1101- 2072 100 1101- 2073 10		2.00	9 0
130 221 221 222	226- 113916 221 131- 3340 124 131-		2•0-	9 0
FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 17743	1940 11177 229 131 1		2•0-	9 0
131- 3972 150 524 150 524 150 524 150 524 150 524 150 524 150 524 150 524 150 524 150 527 150 150 527 150 52	131- 9572 158 15		2•0-	9 6
131- 9677 128- 1064 134-07 137-09-99-99-99-99-99-99-99-99-99-99-99-99-	134- 9677 150- 150- 150- 150- 150- 150- 150- 150-		2•0-	nnen 9 G
131- 3972 140 620 39404 39	191- 3972 1160 19- 1196 151 2 AMAZIMAM MAZIMAM GOSSWIND FORING DISTANCE ALLOUT SHEAR 0.4 2 AMAZIMAM DISTANCE ALCOUR SHEAR 0.4 2 256- 1276 1296 136- 1471 239 226- 1271 239 226- 1271 239 226- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1271 239 227- 1281 239 227- 1281 239 227- 1281 239 227- 1281 239 227- 1281 239 227- 1281 239 227- 1281 239		2•0-	9 0
### 1196 141 324 17119 17674 2	### ### ##############################		2.0-	9 G
### STATE OF THE PROPERTY OF T	### 1134 144 144 144 144 144 144 144 144 14		2•0-	. N 9 0
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AUSTAMAN AUXIMUM AU	### CONSISTING 1134 34 34 34 34 34 34		2•0-	N 9 a
### STRECTIVE FALLOUT SHEAR 0.4 KINOTS/1000 FT. ALTITUDE ***********************************	### ### ### ### #### #################		2.0-	9 0
### CONSTRUENT CONSTRU	### CONSTRUCT SHEAR 0.4 James		2 • * -	9 0
### STRECTIVE FALLOUT SHEAR 0.4 KINOTS/1000 FT. ALTITUDE ***********************************	### PEFECTIVE FALLOUT SHEAR 0.4 MAXIMUM MAXIMUM CROSSWIND		2•n-	a a
### STRECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***A WASHIMMAN COSSINDA ***DORWINGH COSSINDA ***PERCTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***PERCTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***PERCTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***PHILIP CONSISTED COSSINDA ***PHILIP COSSINDA ***PHIL	### STRECTIVE FALLOUT SHEAR 0.4 Januarian		2•0-	9 0
### CHAILOUT SHEAR 0.4 KNOTS/1000 FT. ALITITUDE MAXIMUM	### CROSSWIND CONSIDER O.4 CROSSWIND CONSIDER		2 • n -	9 0
### STATION SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ###################################	### CHAILOUT SHEAR 0.4 AMACINIUM AMAZINUM CHOISNIND		2 • n -	9 6
### COOSSINGLY C	### CHAINCHT SHEAR 0.4 MAXIMUM MAXIMUM CHOSSWIND		2 • n -	9 6
### STATING FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ###################################	2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		2•n-	9 0
Continue	Continue		9.0-	Q
MACIBIALM MACIBIAL MACIBIALM MACIB	### WACINGM MACINGM CHOSNIND CONTINUES TO SERVE		2 • 0 -	9 0
AND CONTINUED AND CONTINUED ACTUAL STIMATED	######################################	· .	2•0-	Q
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Control	246 1271 339 224 1262 1271 339 224 1271 339 224 1271 239 224 1262 1262 224		538	a
### 1977-031 225	### 1971 319 3		5447	2
226- 10*71 3.39 4982 998109 107731 2825 2826 28	225- 10-711 339 196- 96-79 279 116- 96-79 279 126- 96-11 20-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 2219 10-9 13- 23- 23- 39- 39- 39- 39- 39- 39- 39- 39- 39- 3			
1225 12294 312 3460 664069 647049 1264 1265 136	### 1226 1226 312 122			
104- 1752 244 1540 1523 373035 156- 156- 156- 156- 156- 156- 156- 156-	### 1782 279 279 279 279 279 279 279 279 279 27			
184	136			
1886 1640 1782 1840 1640 179331 1880 1640 1880 1640 1880	### 1388 200 ### 2219 120 ### 2219 120 ##			
### 2219 100 779 25711 56600 1550 1551 1551 1551 1551 1551 1	138- 0411 200 15			
### ### ### ### ### ### ### ### #######	### ### ##############################			
13- 623 100 1222 13301 1322 13301 1322 13301 1322 13301 1322 13301 1322 13301 1322 13301 1322 132	13- 623 100			
### ### ##############################	### CONSTRING TO THE PALLOUT SHEAR 0.8 A			
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE AMAXIMUM CHOSNING AMAXIMUM ACTUAL STINANTED	PEFECTIVE FALLOUT SHEAR 0.8			
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE MAXIMUM CROSSWIND ALTIMUDE STIMATED	### COSSWIP OF FALLOUT SHEAR 0.8 ###################################			
### CHOOL SHEAR O.8 KNOTS/1000 FT. ALTITUDE AMAZINAIA MAZINAIA COOSANIA	2 AMAZINALIA MAZINALIA CROSSIND UWINNO DOWNING NALFWIDH NOTICEN 2844 1 18465 4 10 000 1 1864 1 1865			
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE MAXIMUM STRINGTON	### STRECTIVE FALLOUT SHEAR 0.8 ***A			
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***ANXWAM************************************	### CHALOUT SHEAR 0.8 MAXIMUM CROSSWIND CONSTRUCT CONTINUAL PURPLY CONTINUAL CONTINUE CONT			
	100 100 170			
2 2 4 5 5 5 5 5 5 5 5 5	2			
Control Cont	2			
DOSE	DOSE ACT	AMAXIMUM CROSSWIND HALFWIDTH 7663 110	TIMODE	
DOCK MAXIMAM	DOSE MAXIMUM MAXIMUM CONSISTION	CROSSWIND HALFWIDTH 7053 114	•	
Devices Unwind Documents HALFWIGH GEOSWIND AEA AEA 1 Re4	Devices Uwrition Doutswitten MALFWIGHT	CROSSWIND HALFWIDTH 7693 114		
Page	Page	7653 14		
1 244- 13845 416 7463 1142269 1621939 10 10 10 10 10 10 10 10 10 10 10 10 10	1 844- 13845 418 3 214- 10835 303 10 194- 8105 341 30 124- 3018 294 300 74- 1262 170 1000	2882		
1 254- 13845 410 7652 152267 16221939 10 100- 100- 200 200 200 4100-1 1	1 2 2 4 4 18 2 3 4 1 8 4 1 8 4 1 8 1 8 4 1 8 1 8 1 8 1 8	26.0		
3 219- 10035 343 5641 669-65 974-3.0 10 190- 8105 341 3662 9774-3.0 30 180- 3018 296 2163 174-689 1952-4 300 74- 1262 170 364 4004 464-0 1000 120- 3018 299 907 44004 464-0 10000 10000 10000 10000 10000 10000	3 219- 10435 343 343 343 345 345 345 345 345 345	*		
10 150- 8105 341 3402 41904 449304 469304 100 120- 3016 254 2163 174455 192244 1000 120- 3016 254 40044 40040 1000 3000 74- 1242 170 304 7039 8048 10000 3000000 3000000 3000000 300000 300000 300000 300000 3000000 300000 300000 3	10 189- 341 30 189- 348 274 30 74- 1262 170 1000 74- 1262 170			
30 159- 3050 294 2163 174469 195294 195294 195294 195294 19500 150- 3016 239 947 44044 49540 19500 196	30 189- 3069 294 300 180- 3016 239 300 74- 1862 170 1000 3000 3000 3000			
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300 74- 1262 170 364 7039 6046 1000 1000 MAIN DOSE	300 74- 1242 170 3000 3000 3000 30000 30000 MUM DOSE	487		
1000 1000 MAIN DOSE	11000 3000 11000 30000 Man DOSE	*		
3000 MAN DOSE	3000 1 3000 Multi DOS			
10000 10000 10000	00000 00000 100000			
30000 MAM DOSE	30000 Mum DOSE			
SOOOD WITH	300000			
MALE DOSE	IMUM DOSE			

Table 1-20 Supplement to WSEG RM No. 10

Calculated Fallout Contours

("#+1" Dose Rate Coutours)

.1 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

MAXIMUM MAXIMUM CROSSNIND MASSNIND ASEA ESTIMATED			EFFECTIVE FALLOUI SHEAR	OUT SHEAR 0.2		KNOIS/ 1000 FIT. ALITIDE		
Continue	-	,5		•	\$	•	7	
CHANNING	DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
100- 200-00-00-00-00-00-00-00-00-00-00-00-00-	(SOUTH STATE OF)	CHIMAIN	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
100- 2010	- CENICENS	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
### STATE	•	236-	20376	***	2328	04040	1082042	19200
100- 1920 227 1223 279423 271177 100- 1920								. 6800
### 1907- 1917- 195 170-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	•		0000				274177	22.
### 100- ### 10	2 5		2000		201		178040	0000
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 7 130 637 ###################################	3				1:			-
### CONTRINCT 19 19 19 19 19 19 19 1	8	-101		761		2000	00000	3
### ### ##############################	900	Š	0	3	•	16870	5442	8
### CONTRINUE FEECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALITIUDE 1.00	0001	124	670		37	130	637	800
### EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE State	3000							
### CONSTRING FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ANXINGUM	10000							
### EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE State	30000							
### CONSTRUCTOR FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	MAXIMUM DOSE							
CONTRIBUTE CON	1011							
MACHINUM MACHINUM CROSSWIND ACTUAL STITUMIED CROSSWIND ACTUAL CRUSSWIND ACTUAL ACT			EFFECTIVE FALL			O FT. ALTITUDE		
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL STIMMIED MAXIMUM CROSSWIND								
### ACTIVATION MAXIMUM ACTIVAL STIMATED MAXIMATED MAXIMUM ACTIVAL STIMATED MAXIMATED M	-	2	•	•	•	•	,	
CONTINUED CONT	pose	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
### CONSTRICT OF CONSTRUCT AND THE PROPERTY OF CONSTRUCT	(ROENTGENS)	COMIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUN
234 2 2447 2 24 2 24 2 14 2 14 2 14 2 14 2		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
10		- 72.0	70446	284	3042	1431970	1613149	16500
194 1615 231 1624 22095 24041 25095 2512 1504 1504 1704 2512 1504 2512 1504 2512 2512 1504 2512					20.00	-	075507	14000
11173 159 1006 178012 195401	•					424005		0040
### ### ##############################	2;			500		. 700.	10760	7700
Section 155 100 201 205	8	1						3
### EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE AMAZINALIA MAXINALIA COOSANIO MAXINALIA ACTUAL ESTIMATED LUMINO DONAVANINO MATANION ACTUAL RETURNED LONGONICON DOSTANANION MAXINALIA (ELUFS) 222 - 23501 3311 6.350 133508 133542 147 13074 289 28550 4975.0 5315.32 145 145 145 145 145 145 145 145 145 145	8	8	200	6				3
CHALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHALLOUT C	8	Ė	2162	20.	102	000		3
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	000							
CONTRIBUTE CON	3000							
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	0000							
STATISTICATION SPEAR C.8 KNOTS/1000 FT. ALTITUDE C. C. C. C. C. C. C. C	30000							
### CROSSWIND CR	AAXIMUM DOSE							
EFFCTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE TO ANXINGUM ACTUAL ESTIMATED TO STREAM OF THE STRIMATED TO					1			
AMAZIBALIA MAXIBALIA COSSARINO AMAZIBALIA ACTUAL ESTIMATED			EFFECTIVE FALI	OUT SHEAR U.B		O FT. ALTITUDE		
MACRINUM MACRINUM ACTIONAL RESTRINATED TO CONSTRUNCY ACTIONAL SET ALENTED TO CONTRIBUTE COOSSINION ACTIONAL SET ALENTED TO CONTRIBUTE COOSSINION ACTIONAL ACTIONAL SET ALENTED TO CONTRIBUTE COORDINATION ACTIONAL	-	2	•	•	\$	•		•
UNWIND DONNWIND HALFWIDTH CROSSININD AREA AREA POSITION DISTANCE A CARCINI HALFWIDTH 6250 2222 23501 2310 2310 2310 2310 2310 2310 2310 23	9000	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
2.22 - 2.350	(ROENTGENS)	ONING	DOWNWIND	HALF WIDTH	CROSSWIND	AREA	AREA	MAXIMUN
222- 23901 311 6350 204847 2337862 266-116-06847 2337862 263 4449 116-0685 1313422 177- 13074 249 2660 4076.34 13054 103 202 4104 4387 33478 165 502 4104 4387		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
260- 18885 283 4440 1153082 133922 177- 13074 289 2650 407530 551638 168-18-18-18-18-18-18-18-18-18-18-18-18-18	-	-35-	23501	116	6350	2086287	2367262	16500
177- 13074 249 2650 4978.50 5518.38 168- 1334 168 569 32687 3488 56- 1334 163 569 32687 3488 56- 1334 163 252 4104 4387	•	-902	18585	503	4440	1163085	1313422	11700
1-85- 8182 213 1-603 1-64-34 1-839-4- 1-02- 375-4 1-65 9-69 32-067 3-4-58 90- 1-33-6 1-03 2-02 4-1-04 4-3-87	01	-111	13074	548	2050	497630	551636	1700
102- 3754 165 569 32087 34458 50- 1336 103 202 4104 4367	90	148-	9182	213	1403	166434	183946	4500
90- 1336 103 202 4104 4387	80	108-	3754	-	969	32087	34456	2100
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	MAXIMUM DOSE							
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Table 1-21 Supplement to WSEG RM No. 10

("#+1" Dose Rate Coutours!

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WIND (KNOTS)

BANGE TO MAXIMUM WIDTH 35700 ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS. EFFECTIVE FALLOUT SHEAR 0.2 KNOTS/1000 FT. ALTITUDE CROSSWIND HALFWIDTH AT ORIGIN 3 MAXIMUM DOWNWIND DISTANCE 92000 DOSE (ROENIGENS)

Calculated Fallout Contours

("#+1" Dose Rate Contours)

.1 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

MAXIMUM (CEPRING) (187)	MAXIMUM CEOSSNIND DONNIND HALFWIDTH TOOOG ALGUIN TOO	CROSSWIND PARLWIDTH AT OBIGIN A 2-2-2 2-2-2 1-5-2 1-5-2	AAXIBUINA CECSSORIND HIRMIDIH HIRMID HIRMIDIH HIRMID HIRMIDIH HIRM	ANXMAN ACTUAL COCKSKIND AEA AEA AEA AEA AEA AEA AEA AEA AEA AE	ESTIMATED AREA (ELUSE) 200-000 1 1 000-1 1 000	RANGE TO MAXIMUM WIDTH WIDTH PERSON 1 6500 6000 6000 6000 6000 6000 6000 60
200 POSITION	AWAKINDIM CONVENTION DISTANCE	COSSWIND PALEWIDTH AT CHICIN 2 24 2 24 2 24 2 24 2 24 2 24 2 24 2 2	CROSSINGIA HALFWIDTH 1771 1771 1771 1771 1771 1771 1771 1871	ACTIVAL ACTIVA	N="-	MAXIMUM WIDTH WIDTH #8000 39600 26500 16500 6000
AMAZINGIN POSITION 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	DSTANCE PAGES PAGE	A1 OBIGIN 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	COOSSINING 1771	A MEA 1980.325 1980.32	N=n-	4000 39600 28600 16500 6000
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202 202 203 204 205 210 210 210 210 210 210 210 210 210 210	ECTIVE FALLS		KNOTS/100	DET. ALTITUD		900
202 MAXIMUM POSITION 210-112-112-112-112-112-112-112-112-112-	ECTIVE FALLS		KNOTS/100 5 MAXIMUM CROSSWIND	DEF. ALTITUD		000
MAXIMUM UPPIND POSITION 219-112-112-112-112-112-112-112-112-112-	ECTIVE FALL		KNOTS/100 5 MAXIMUM CROSSWIND	DO FT. ALTITUD ACTUAL AREA		
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MAXIMUM UPPNIND POSITION 2 193-112-112-112-112-112-112-112-112-112-11	ECTIVE FALLO		KNOTS/100 s MAXIMUM CROSSWIND	D FT. ALTITUD		
2 AMAXIMUM (1997) POSITION 2 10 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	ECTIVE FALLO		KNOTS/100 s MAXIMUM CROSSWIND	DO FT. ALTITUD		
2 MAXIMUM UPANIOD POSITION 2 193-112-2 112-2 114	ECTIVE FALLO		KNOTS/100 s MAXIMUM CROSSWIND	DO FT. ALTITUD		
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2	ECTIVE FALLO		KNOTS/100 5 MAXIMUM CROSSWIND	DO FT. ALTITUD ACTUAL AREA		
MAXIMUM (UPNINO) POSITION 210-112-112-112-112-112-112-112-112-112-	ECTIVE FALLO		KNOTS/100	ACTUAL AREA		
2 MAXIMUM (MAXIMUM (M	3	. 0 0.3	S MAXIMUM CROSSWIND	ACTUAL AREA		
2 10-11-1-11-1-11-1-1-1-1-1-1-1-1-1-1-1-1	3	JUI SHEAK U.4	S MAXIMUM CROSSWIND	ACTUAL		
AAACIMUM DOSITION A 210-210-210-210-210-210-210-210-210-210-	TAX NOT THE REAL PROPERTY.	•	MAXIMUM	ACTUAL	7	Œ
2 149-1112-112-112-112-112-112-112-112-112-1			CROSSWIND	AREA	91111113	01 30144
210- 210- 210- 211- 211- 214- 214- 210- 210- 210- 210- 210- 210- 210- 210	WALLE OF	CROSSWIND	CROSSWIND	2399340	ESTIMATED	TOWN.
2 10 - 21 - 1 10 - 21 - 21 - 21 - 21 - 2	DOWNWIND	HALPWIDTH	***************************************	2999999	AKEA	MAXIMUM
210-112-112-112-112-112-112-112-112-112-	DISTANCE	AT ORIGIN	HALFWIDTH	2595540	(ELLIPSE)	WIDIM
2 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ARIOD	-	2887		200000	43700
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						3
2 112-296-214 214 214 214 214 214 214 214 214 214	20175	222	1013	370664	151 3532	35000
2 2 9 9 2 2 9 9 2 2 9 9 2 9 9 2 9 9 2 9	33624	100	1089	933396	577610	22100
2 2 4 2 2 2 4 2 2 2 4 2 2 2 4 2 2 2 2 2	10440	152		157843	166220	11700
MAXIMUM MAXIMUM (Ummin D POSIMUM 180- 110- 110- 110- 110- 110- 110- 110-						
2 MAACHUMA UPWIND POSITION 2 100-1 130-1 111-1 111-2 2 10-1 120-1		2	3 :			3
2 WAXIMUM (CHMIND POSITION) 1 180-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		8	000	*022	200
2 MAZINUM UPWIND POSITION 2 10 - 183 - 11 - 11 - 11 - 11 - 12 - 12 - 12 - 1						
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2 (100 km/s) (100 km/s						
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2 MAXXIMIM UPWIND POSITION POSITION 183- 183- 111- 111- 111- 111- 111- 111-					The state of the s	
2 MAXIMUM UPWIND POSITION 210- 110- 110- 111-	ECTIVE EALL	REFECTIVE FALLOUT SHEAP OR	KNOTS/100	FUNCTS/1000 FT ALTITUDE		
MAXIMAL UPWIND POSITION 210- 183- 149- 111- 111- 111- 111-	-	-				
UPWIND POSITION 210-1193-1193-1193-1193-1193-1193-111-193-11-193-193	9		5	•	,	œ
UPWIND POSITION N 21 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGETO
POSITION 210-110-1111-111-111-111-111-111-111-111	ON NWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
210- 149- 111- 268	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
269-1-6-2	95830	2	***	3462913	3902826	35700
6 - 6 - 8	40741	224	270	1420222	1794787	25200
268	24673			507375	5526AA	16500
- 6 8 - 6 8						
	61631		200		849191	3
	4249	8	506	14061	9196	2100
	974		63	629	1224	200
2000						
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376						

8-24-59-2

Table 1-23 Supplement to WSEG RM No. 10

Table 1-22 Supplement to WSEG RM No. 10

2-65-12-8

Calculated Fallout Contours ("#+1" Dose Rate Contours)

.3 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Control of the cont			EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.2		KNOTS/ 1000 FT. ALTITUDE		
CONTINUED CONT		2	3	•	•	•	,	
Controlled Con	-			CHIMINO	****	ACTUAL	ESTIMATED	RANGE 10
Table Tabl	808	MAXIMUM	MAXIMUM	CACSSWIND	WALIMON!	1	4964	MANYIM
Control Cont	I STORE OF THE P	DNIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
The control of the	COENI CENS	1	DISTANCE	AT OBIGIN	HAIFWIDTH		(ELLIPSE)	MIDIM
1174- 1138		10110	1000					-
STATE STAT		3446	3365	3786	250	440014		3
Secondary Seco		-			3464	346472	345033	200
### 1950 2.75 2.15	,	1	-				274160	900
### 1729 2725	01	-6482	70.7	2103	-		-	
### 1750 ###	9	2508-	2426	2735	2735	121512	400213	
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE Auxiliana	3		-	-	2244	146684	144231	
### T33- 1450 1724 1724 1724 1725 17254 17254 17254 17254 17255	8	-8403	20.75			-	-	
### PRECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AXIMUM MAXIMUM CROSSWIND AXIMUM ARE ATTUAL STIMATED FORTHWIND CROSSWIND AXIMUM ARE ATTUAL STIMATED FORTHWIND AXIMUM AX	300	1505-	1465	1720	221	-		
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***********************************				-	700	17073	17286	
### ### ##############################	000	1	1					
### CEFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AXIMUM***********************************	3000							
CONTRIBUTION CONT	90901							
### STEPPER PALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***ACTIONAL STEPPER PACKING MAXIMUM ACTIONAL STITUALS STEPPER PROTECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***ACTIONAL SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***ACTIONAL STATE OF 12 OCCUPANTION OF 12 OCCUPANTION OF 12 OCCUPANTION OCCU								
Continue	-							
### STREATH FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	AXIMUM DOSE							
### ### ##############################	1307							
### ### ### #### #####################	-			-				
STATE STAT			EFFECTIVE FALL	OUT SHEAR 0.		D FT. ALTITUDE		
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL STINANTED								
Committee				,	9	•	,	
Control Cont			•	0.0000	***************************************	ACTION	FYTIMATED	RANGE 10
Costinuo Distractor Costinuo Decentido Costinuo Costinuo Decentido Costinuo Decenido Costinuo	350	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	101		AL MANAGE
Colorado	Total Control	DNIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	WOW INCH
State	KOENI CENS	1	DICTARIO.	MICHOLIA	HALFWIDTH		(ELLIPSE)	MIDIM
2269 2592 9417 0127 050418 22692 22692 22692 22692 22692 44778 44792 226		NO INCO	DISTANCE				-	
State Stat	-	3294-	3271	6710	6710	-		
Secondary Seco		-	*****	4:22	4187	575010	574402	
Section Sect	•	-					-	
State 1780 3449 3449 313400 23400	2	-6992	2002			000	00/00	
1220- 1207 2445 2445 204400 204400 204400 204400 204726 2445 244	8	2206-	2263	4675	67.5	332262	334006	
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE				-		-	200000	
EFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	8		08/1					
### SEPECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***ALTIMUM***********************************	300	1220-	1207	2002	2465	94046	27.24	
### FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE AMAXIMUM	1000							
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
### STREET OF FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***AUSTRIAN MAXIMUM ACTUAL GESTING MAXIMUM ACTUAL GESTING DESIGNATED MAXIMUM ACTUAL GREEN CONSTRUM ACTUAL GREEN CONSTRU	3							
CHALOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHALOUT SHEAR 0.8 CHALOU	0000							
### CONTINUE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***AUSTANAM MAXIMUM ACCOSSINION DISTANCE ACTUAL ESTIMATED MAXIMUM ACCUAL ESTIMATED MAXIMUM ACCUAL ESTIMATED MAXIMUM ACCUAL (ELLIPS) 318.1 - 316.3 1.246.2 1.24	30000							
### ### ##############################								
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### FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 2	742							
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University Uni	2000	MINIMIN	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	EANGE 10
POSITION DISTANCE AT ORIGIN HALFWIGH (ILLIFE) (I	-		Contract of the contract of th	TO STATE	GNIMSSOAD	AREA	AREA	MAXIMUM
12 12 12 12 12 12 12 12	(BOENIGENS)	The state of the s	DICTANCE	NI CINC IA	HALFWIDTH		(ELLIPSE)	#IDI#
2011- 2163 12462 1		2	District			******	1220340	
2846- 2763 11266 11266 17260 1	-	-1216	3103	7007	7000		-	
2042- 2291 9764 9764 5764 5764 5764 5764 5764 5764 5764 5	•	100	2753	3.=	2 -	-		
2040- 2021 8157 8157 81597 1478- 1482 9510 5040 204891 1478- 1482 9510 5040 44889	10	2002-	2301	****	***	139081	107174	
1476- 1423 5910 5910 207801 617- 878 2446 2446 44686	90	-040-	2021	6197	9157	515597	\$20230	
				0:00	4010	267891	200203	
		•				-	01290	
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AVAINAM DOSE	30000							
44	SACO MINISTRA							
178	-							
	378							

Calculated Fallout Contours

("#+1" Dose Rate Contours!

.3 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Cooking			EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.2		KNOTS/1000 FT. ALTITUDE		
MAXIMUM MAXIMUM CROSSWIND CRUE CRU	-	2	3	•	\$	•	1	
Publish Document	DOSE	MAXIMIM	MAXIMI	CROSSWIND	MANIMA	100	CETIMATED	PANCETO
Mailon Distance Al Obicin Mailonin Citures	(POENTGENS)	ONIMO	DOWNWIND	HALFWIDTH	CHOSSWIND	APEA	AREA	MAXIMIM
1994 1994		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
Secondary Seco		-804	21040	***				
Section Sect			2			-		3
SECTION STATE ST	, :	216	7440		200	964.696	1104436	8
Title	2 ;	- 000	10034		2012	•1000	673673	0000
1642 164336 164	2	-692	12319	36	1933	349183	382708	1100
144- 2444 259 645 54979 585497 585	80	-122	8706	328	- 82	157495	166336	9009
Ti	300	1	5444	520	500	56979	56560	3200
### CROSSWIND MAXIMUM ACTUAL GENERAL OF TAILTIUDE AMAXIMUM MAXIMUM ACTUAL GENERAL OF TAILTIUDE A MAXIMUM ACTUAL GENERAL ACTUAL ACTUAL ACTUAL GENERAL ACTUAL	0001	71-	2203	140	276	10201	10262	200
Communication Communicatio	3000							-
CHARLOUS SHEAR 0.4 KNOTS/1000 FT. ALTITUDE CHARLOUS SHEAR 0.4 CH	10000							
Committee	30000			,				
Control Cont	MAXIMUM DOSE 2600							
MAXIMUM MAXIMUM CROSSNIND ACTUAL ESTIMATED			EFFECTIVE FALL	OUT SHEAR 0.4		O FT. ALTITUDE		
MAXIMUM MAXIMUM CROSSWIND CATUAL STIMATED CATUAL CSTIMATED CSTIMATED CATUAL CSTIMATED CATUAL CSTIMATED CATUAL CSTIMATED		2			•	*	,	•
DOWNWIND	DOSE	MAXIMUM	MAXIMIM	CROSSWIND	MAXIMIM	ACTIVAL	FYTIMATED	PANGE TO
Action Distance All Origin Malfwidth Action A	ROENTGENS	CHWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	. AREA	MAXIMUM
1906 20100 502 7015 2190454 2517018 2344 1354 405 420045 1450787 1450787 150700 221 67051 2345 420 4200 420045 1450787 150700 221 67051 2345 420529 420529 420529 420529 175079 15707 221 670529 175079 15707 221 6229 175079 175079 157079 15		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
1344 17052 937 6065 1450787 1699000 274	-	*04	20100	282	7815	2100454	2517018	
132		-	17042					
STATE STAT	9	186						3
13- 6781 358 1623 163239 178479 159- 178479 159- 178479 159- 178479 159- 178479 159- 178479 159- 178479 159- 178479 159- 158- 159-	30	- 21.0	10300		2000	431.50		0000
1971 2777 279 4951 4952 4951 4952 4	001	221-	4701			435.6		9000
Column	300	157-	3777	270	704	44419	40190	2000
EFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	1000	-00	1327	181	200	5784	6284	3
CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECTIVE STIMATED CHECKSWIND CHECKSW	3000							-
CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECKING	1 0000							
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	30000							
2 MAAINUM MAAINUM CROSSNIND MAINUM ACTUAL ESTIMATED IN MAXINUM MAAINUM CROSSNIND MAINUM ACTUAL ESTIMATED IN MAXINUM ACTUAL ESTIMATED IN MAXINU	XIMUM DOSE							
CROSSIND	1916							
Auxiliary			EFFECTIVE FALL	OUT SHEAR 0.8		O FT. ALTITUDE		
МАХИМИИ МАХИМИИ СПОСУКИНО МАХИМИИ АСПИА (БІЛЬМІ БО	-	2	3	•	\$	•	7	
POSITION DONAMIND ALEKWIDTH CROSSININD ALEK ALEK ALEKWIDTH CROSSININD ALEK ALEKWIDTH CROSSININD ALEK ALEKWIDTH CROSSININD ALEK ALEKWIDTH CROSSININD ALEKWIDTH CROSSININD ALEKWIDTH A	DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
POSITION DISTANCE AT ORIGIN HALPWIDTH 394- 18201 795 13395 3344977 3409904 334- 18201 795 1304977 3409904 284- 8315 481 9982 117306 1100459 129374 284- 8315 480 2097 130891 16784 284- 8301 337 901 31978 34826 29- 837 132 217 2201 2274	ROENTGENS	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
396- 18201 795 13315 338697 388904 386- 18201 875 13315 338697 388904 313- 11377 621 673 1100649 1258314 226- 6315 540 2007 13682 537274 206- 6478 449 2097 136821 16783 2572 2501 2201 2274		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
1396- 15500 645 758 110042 222261 1313- 11577 621 673 110042 1258374 266- 6315 546 4135 552261 136- 637 137 901 31578 3452 26- 637 132 217 2201 2274	-	306-	18201	756	13318	1386007	3889504	11700
213- 11577 621 6736 1100640 1298374 206- 8315 546 4132 50324 597274 206- 4878 449 2097 150891 167482 136- 2301 337 901 31979 34826 29- 637 132 217 2201 2274	•	356-	15000	-	***	9016115	242241	
266- 8315 546 4138 905246 957274 136- 8301 337 901 19578 3452 26- 637 132 217 2201 2274	9	313-	11977	621	67.30	1100490	1946174	3 2
204- 4878 449 2097 150891 167952 136- 2301 337 901 31578 34826 29- 637 132 217 2201 2274	30	266-	8315	96		40200	447974	3
136- 2301 337 901 31978 34826 29- 6,37 132 217 2201 2274	001	-902	4478		2007			38
29- 637 132 217 2201 2274	300	138-	2301	337		31.070	46.54	3 5
	1000		413	52.				8
10000 30000 AXIMUM DOSE 1241	3000		3	361	-	1033		86
3 30000 3 30000 1 2 4 1	00001							
AXIMUM DOSE 1241	30000							
1241	MAXIMUM DOSE							
	1241							

Table 1-24 Supplement to WSEG RM No. 10

8-24-59-2

Table 1-25 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours!

.3 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

200 100 100 100 100 100 100 100 100 100	283- 191- 181- 180- 180- 180- 181- 181-	3 MAXIMUM DOWNWIND DISTANCE	CROSSWIND	S MAXIMUM CROSSWIND	ACTUAL	ESTIMATED	RANGE 10
	Market Ma	MAXIMUM DOWNWIND DISTANCE	CROSSWIND	CROSSWIND	ACTUAL	ESTIMATED	RANGE 10
	N 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DOWNWIND	HALFWIDTH	CROSSWIND	-	4964	
	NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DISTANCE				Vann	MAXIMUM
	****	101010	AT COLO	HAISWIDTH		(ELLIPSE)	WIDTH
	****	*****	***	•	2256741	2417042	25200
	****				-		22.00
	44±4•	200					
	4==	2002		7017			
	- <u>+</u> -	66607	3	2	-		
	į.	334	2	2	0261/1		3
	•	7204	*	404	40130	40.700	9000
		2055		•	•	4032	800
						-	-
_		SEFECTIVE FALLOUT SHEAR	DUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
-							
-	2	3	•	2	•	,	
	MAY ISSUES	ALEX INCINC	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
	Paris in	CHIMNING	HAISWIDTH	CROSSWIND	AREA	AREA	MAXIMOM
	De la composition della compos	DISTANCE	AT OFIGIN	HALFWIDTH		(ELLIPSE)	MIDIM
2	200	371000				-	***
	-286	36417	479	į	3300788	3842830	3367
	-	30193	434	4962	2126394	2389800	19200
		23141	300	33.56	1109737	1229166	14000
2 2			2	1000	400034	552184	11700
2						****	9000
8	-	200	2.2	8	10101	2000	2000
300	=	1361	161	2	3556	2000	
1000	**	3		•	2331	2017	3
3000							
10000							
30000							
UXIMUM DOSE							
		SEESCHIVE SALLOLIT SHEAP	OUT SHEAD OR		KNOTS/1000 FT ALTITUDE		
						,	•
	2	-		•		051111110	PANCE TO
	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	A SOLA	MAXIMIM
(ROENTGENS)	GNIMO	DOWNWIND	HALFWIDTH	CROSSWIND	-	(9)01119)	MIDIM
r	DSITION	DISTANCE	AT ORIGIN	HALPWIDIN		1	***
	370-	32547	931	==	2026669	5746736	26190
•	-046	26209	984	1971	5939999	3324099	10000
91	- 100	19103	431	2000	1363906	1526217	8
. 5	300	12688	37.0	2861	926019	561321	1700
		****	300	1224	120075	127957	4500
25			010		19452	20146	1200
200					**	781	200
1000		AJC.		36			
3000							
10000							
30000							
MAXIMUM DOSE							
1001							

Calculated Fallout Contours

("#+1" Dose Rate Contours!

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

40 WIND (KNOTS)

.3 YIELD (MEGATONS)

		EFFECTIVE FALI	EFFECTIVE FALLOUT SHEAR 0.2		KNOTS/1000 FT. ALTITUDE		
-	2	3	•	\$	•	1	
900E	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	ONIMAD	DOWNWIND	HALFWIDTH	CROSSWIND	ABEA	AREA	MAXIMITA
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	340-	72644	424	3303	200000	-	-
•	320-	4014	*	2880	1	20.00	
9	272-	46023	330	1710		1260107	
30	-022	32856	267	1011	436726	2800.	20.00
100	-151	18844	***	2			
300	1	-					380
1000				1			3
3000							
1 0000							
30000							
MAXIMUM DOSE							
156							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
-	,						•
	***************************************		0.000			,	
200	MAKING	MAXIMOM	CKOSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(KOENICENS)	POSITION	DISTANCE	AT COLOUR	HAISWINE	AKEA	AKEA (E1100CE)	MAXIMUM
	-046	1000	200			(SETILISE)	LIGIN
				0,00	21 10400	50000	8228
n :	320-	82300	389	4009	2016982	3316376	39700
29	-112	2010	340	2526	1386924	1524733	25200
2	-022	06262	588	140	230391	577103	16500
001	190-	12764	519	629	124520	12750	1100
800	1	413	125	241	19552	19696	2100
3							
2000							
10000							
MANIMIN DOCE							
904							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	1	KNOTS/1000 FT. ALTITUDE		
	3	3		,	•	7	a
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	ONIMO	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	359-	57193	442	6006	7260251	9180849	39600
c	319-	44322	401	1619	3861363	4341395	28500
0.	-012	30125	351	3579	1543133	1708736	19200
30	-912	17954	202	1820	478921	519447	11700
001	140-	7657	224	693	91199	94986	4500
300	-00	2612	1.26	247	10479	10360	1200
1000							
3000							
10000							
30000							
MAXIMUM DOSE							
768							

Table 1-26 Supplement to WSEG RM No. 10

8-24-59-2

Table 1-27 Supplement to WSEG RM No. 10

> dns SM

> > 2-65-12-8

("#+1" Dose Rate Contours)

60 WIND (KNOTS) .3 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

8 MAXIMUM WIDTH WIDTH 62100 48000 32000 19200 7700 2100 ESTIMATED AREA AREA (ELLIPSE) 7094815 3916504 30 551469 100194 118044 FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ACTUAL AREA ASSA 3535006 1514396 95743 12162 MAXIMUM CROSSWIND HALFWIDTH 4962 3474 2067 1117 448 CROSSWIND
HALFWIDTH
AT ORIGIN
366
366
310
200 3 MAXIMUM DISTANCE 90680 71470 31219 14100 4542 2 MAXIMUM UPWIND POSITION 346-346-286-1189-129-20-DOSE (ROENTGENS)

7
ESTIMATED
AREA
(ELLIPSE)
9878238
4903431
1721499
447880
61744 KNOTS/1000 FT. ALTITUDE 6 ACTUAL AREA 43962491 4396290 13669073 62062 60631 6366 5 MAXIMUM CROSSWIND HALFWIDTH 7992 5236 2867 1341 478 165 FFECTIVE FALLOUT SHEAR 0.8 CROSSWIND
HALFWIDTH
AT ORIGIN
514
372
382
267
190 3 MAXIMUM DISTANCE 78738 59319 39247 21062 81042 81042 AMXIMUM UPWIND POSITION 365-366-196-122-122-

8 MAXIMUM WIDTH \$2500 39600 25200 14000 4500 1200

Table 1-28 Supplement to WSEG RM No. 10

8-24-59-2

Calculated Fallout Contours

("#+1" Dose Rate Contours

1 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	00	RANGE 10	MAXIMUM	WIDTH	000	000	900										00	PANGE TO	MAXIMIM	WIDTH													00	RANGE TO	MAXIMUM												
	7	ESTIMATED	AREA	(ELLIPSE)	810949	746550	610249	4 79683	344366	250202	88733						7	CCTIMATED	ABEA	(ELLIPSE)	1463048	1243849	991805	758912	514545	289283	42853						7	ESTIMATED	AREA	The state of the s	2140405		1216470	750605	20409	2					
KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA		815+88	754289	616749	487624	340464	221780	88589					KNOTS/1000 FT. ALTITUDE	*	100	ACTUAL	-	1466931	1233011	990802	760853	512669	282616	39862					KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA	-	2150048		1214077	716386	80000	200					
KNO15/100	\$	MAXIMUM	CROSSWIND	HALFWIDTH	5632	2187	4674	4163	3539	2823	1826					KNOTS/100	*		MAXIMUM	HALFWIDTH	9615	9058	8077	7100	5844	4395	1748						5	MAXIMUM	CROSSWIND	HALFWIDIN	19630		2866	0200		1030					
EFFECTIVE FALLOUT SHEAR 0.2	•	CROSSWIND	HALFWIDTH	AT ORIGIN	9229	2150	0994	4163	3539	2853	1826					EFFECTIVE FALLOUT SHEAR 0.4		Carrier of the Carrie	CKOSSWIND	AT ORIGIN	9815	9028	6077	1100	5844	4395	1748					EFFECTIVE FALLOUT SHEAR 0.8	•	CROSSWIND	HALFWIDTH	AT ORIGIN	66291		1 2 2 4 4 4	0010		1030					
EFFECTIVE FALL		MAXIMUM	DOWNWIND	DISTANCE	4846	+16+	4152	3592	3012	2483	1451					EFFECTIVE FALL	,	2	MAXIMUM	DISTANCE	4692	4389	3869	3335	2749	2042	106					EFFECTIVE FALL	3	MAXIMUM	DOWNWIND	DISTANCE	5644		2000	2000	5435	1964					
	2	MAXIMUM	UPWIND	POSITION	-8664	4630-	-061+	3743-	3182-	-5962	1642-							,	MAXIMUM	POSITION	4797-	-6194	3948-	3470-	2856-	2148-	832-						2	MAXIMUM	OPWIND	POSITION	4567-	-1014	1000			1000					
		BOSE	(ROENTGENS)		-	c	0	90	001	300	1 000	3000	10000	MAXIMIM DOSE	2306			- :	DOSE	(ROENIGENS)	•		101	30	100	300	0001	3000	30000	MAXIMUM DOSE	1254			DOSE	(ROENTGENS)		- ,	•	0 9	9 6	000	000	3000	1 0000	30000	MAXIMUM DOSE	

Table 1-29 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours)

1 vield (megatons)

10 wind (knots)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

						,	
-	2	3		2	۰		
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANCEIO
(BOSNITCSNS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
CENTOCINA	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	672-	29034	106	7478	3068238	3489993	19200
	417-	25347	837	6028	2200928	2458607	15400
	-086	21186	161	4964	1420199	1556174	15400
: 5		17271	684	3421	870385	954135	12000
3 .	-004	12868	280	2252	436882	469382	9000
200	-016	****	*84	1342	187369	192279	4200
200		4004	111	671	48981	50450	2400
996		1517	20	231	***	5536	1000
00001							
MAYIMIN POSE							
3719							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
				•	•	1	80
	,		Continuo	MAXIMIN .	ACTUAL	ESTIMATED	RANGE TO
200	- IBWIND	SOWWIND OF	HAISWINTH	CROSSWIND	AREA	. AREA	MAXIMUM
(NOENIGENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	****	24787	1017	12761	4813537	5502797	19200
		23060		01001	12026.26	3705794	15400
-	-010	45057		20170	.000	2284404	12000
0	-	18630	900	2167	00000	1874712	0000
8	-			0636	2000	201101	2
001	-	9860	100	2020	17961	104904	4200
900	-	9900	200	102		14741	000
1000	-	1163	5	501	3	-	
3000							
0000							
2000							
MAXIMUM DOSE							
5113					200		
		EFFECTIVE PAL	EFFECTIVE PALLOUI SHEAK U.8		KNOIS/ 1000 FI. ALIIIODE		
	2	3	•	2	•	1	8
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	DI PONTE
(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	(ELLIPSE)	WIDTH
	POSITION	DISTANCE	AI ORIGIN	-			. 5000
-	-020	24460	1376	22100	1967761	2000	2000
•	593-	20656	1273	16787	4942433	2007000	3
01	-926	16373	1149	11873	2780831	3151208	0000
2		18721	1052	556	10000	2000	4380
100	365-	9908	863	4385	257631	44000	2000
300	-192	4459	683	2195	143415	796291	300
1000	123-	1658		780	19529	67917	3
3000							
10000							
30000							
MAXIMUM LOSS							
1963							-

Calculated Fallout Contours

("#+1" Dose Rate Contours!

1 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	2	3	•	2	•	7	00
900	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	CPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMIN
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	632-	53467	111	1049	407200		
•	575-	45008	3.0		0007/44	2018340	33000
10	202	378.34		5010	3418299	3769847	28000
30	437-	2000		2000	50802	2286070	23400
2	- 25.6	59563	5/3	2722	1185173	1283586	19200
200	-946	62/07	084	1667	526610	552076	12000
000	-052	12821	376	613	187487	187467	0000
1000	102-	5355	210	368	33779	33057	2400
0000							
0000							
MAXIMIM DOSE							
2621							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4		KNOTS/ 1000 FT. ALTITUDE		
-	2	-	•		,		
DOSE	MAXIMIM	MANYIMI	Carrierio			,	00
POFNICENS	CHWIND	DOWNWIND	TAI EMINT	MUMINAM	ACTUAL	ESTIMATED	RANGE 10
(64.10 (14.1)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	AREA	/ELLIDEE	MAXIMUM
	-019	A.0017				(100,000)	N O
. ,		1040	400	11074	7581129	8622292	33300
,	-676	1331	746	8543	4970115	5623450	28000
25	-	35773	671	5973	2801212	3122354	23400
200		96/47	262	4025	1436151	1595212	15400
200	-040	10140	864	2221	533126	575165	0006
200		56,55	388	1064	150050	153378	4200
3000	-	3637	1112	392	20613	20524	1000
2000							
30000							
MAXIMUM DOSE							
2131							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
-	2	9	•	\$	•	7	a
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	FSTIMATED	PANCETO
(ROENTGENS)	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMIM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDIH
-	623-	44218	922	18714	11299849	13181836	28000
۲.	-595	36481	920	13997	7158664	6145325	23400
0 :	-96+	27820	762	9351	3673335	4159308	16200
9	454-	19869	673	5804	1643084	1850138	12000
100	333-	11615	558	2860	490939	536850	200
300	-162	5275	428	1189	10001	108460	200
1000	-11-	1695	506	396	9913	10998	200
3000							3
10000							
30000							
MAXIMUM DOSE							

8-24-59-2 Table 1-30 Supplement to WSEG RM No. 10

Table 1-31 Supplement to WSEG RM No. 10

("#+1" Dose Rate Contours)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS. 40 WIND (KNOTS) 1 YIELD (MEGATONS)

- 800		-	EFFECTIVE FALLOUI SHEAK 0.2		KNOIS/ 1000 FI. ALIII UDE		
BOSE	2		•	\$	•	1	80
	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(BOENTGENS)	OFWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-265	97642	106	5653	7869454	6723116	94000
•	537-	82380	144	4356	5195248	5476049	87000
	-	44143	27.5	2002	204770	31001	96.44
9	300-	40043	200	2078	1527783	1412100	200
3 3		1010	700		20.00		00741
3	-	22/01	587	2	100/00	107361	800
1000	Ē.	4412		208	13136	12019	1000
3000							
2000							
MAXIMIM DOSE							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
	,			,	•	1	80
300	***************************************	***************************************	CHOSCASINO	MAXIMIM	ACTUAL	FSTIMATED	RANGE TO
200	- Sheller	- Commence	THE PARTY OF THE P	CHIMOSON	ABEA	. ARFA	MAXIMUM
(NOENTGENS)	- Carrier	DOWNWIND OF THE PERSON OF THE	THE CHANGE	HAISWIDTH	-	(6111956)	HIDIM
	201102	DISTANCE		-			
-	1	9636	714	9400	11625979	13139937	21000
•	-337-	72936	*6*	7010	7221715	8090321	20400
	-	94540		4680	1740903	4128747	38480
20	380-	30663	208	2905	1664782	1827636	23400
8		23084	***		407383	532685	15400
3 2	134	1000	200	2	100722	109044	9400
9	***			200	7.580	0.270	1000
9000	•			1			
9000							
30000							
MAXIMUM DOSE							
1455							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
	,	1		\$	•	1	80
3000	***************************************	***************************************	CHIMOSOGO	MAXIMIM	ACTUAL	ESTIMATED	RANGE TO
1000000	CHAINE	DOWNWIND	HAI EMINITE	CROSSWIND	AREA	AREA	MAXIMUM
CENICENS)	POSITION	DISTANCE	AT OBIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	- 804	78701	744	15410	17204016	19465122	20400
		******			9030840	11144412	44200
•		10000		407	44 74 402	5057745	28000
: 5				30.70	4401671	100001	19200
3 5					203467		9000
8	-/87	13673	076		2000		3
9	-1.		***		200		3
1000	250	375		151	1928		80
3000							
1 0000							
30000							
MAXIMUM DOSE							
1145							

Supplement to WSEG RM No. 10 Table 1-32

Calculated Fallout Contours

("#+1" Dose Rate Contours)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS. 1 YIELD (MEGATONS)

			MAXIMUM		30200				8000	1000						•	RAN			79200	94000	20400	33000	15400	8	1000					•	D RANGE TO				•		•	0006						
ě	7	ESTIMATED	(ELLIPSE)		700767	3702240	1776735	563654	120071	4731					Ē	7	ESTIMATED	. AREA	(ELLIPSE)	16599568	9637007	4707779	1905521	469880	79257	3014				 		ESTIMATED	AREA	(ELLIPSE)	E-01105	13144453	267333		333536	**033					
KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA	***************************************	7571000	35309SA	1687272	559863	127641	1929					KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA		14630367	8852040	4287530	1756163	458091	98500	•				KNOTS/1000 FT. ALTITUDE	۰	ACTUAL	AREA		21345917	11727091	0.0000		322082	9000					
	s	MAXIMUM	CROSSWIND	****	9000	2701	1736	616	419	8						\$	MAXIMUM	CROSSWIND	HALFWIDTH	6473	•195	3994	2366	1087	0	2					8	MAXIMUM	CROSSWIND	HALFWIDTH	13913	1996	200	2000	1220	•					
HEAR 0.2		CROSSWIND	HALFWIDTH AT ORIGIN	474	419	240	403	359	225						HEAR 0.4	•	CROSSWIND	HALFWIDTH	AT ORIGIN	678	617	543	465	360	226					HEAR 0.8	•	CROSSWIND	HALFWIDTH	AT ORIGIN	269	630	555		900	127					
11001															LLOUT S															S TUOJI		S	HAL	4											
EFFECTIVE FALLOUT SHEAR 0.2	6	MAXIMUM	DOWNWIND	130120	115003	88926	64732	38785	18106	2239					EFFECTIVE FALLOUT SHEAR	3	MAXIMUM	DOWNWIND	DISTANCE	124148	100737	14593	20907	27263	11339	1411				EFFECTIVE FALLOUT SHEAR	3	MAXIMUM	DOWNWIND	DISTANCE	20000	62656	20000	3155	90171	000					
	2	MAXIMUM	POSITION	-976-	514-	439-	360-	255-	127-	807						2	MAXIMUM	OPWIND	POSITION	-575	-+16	439-	340-	-562	126-	110					2	MAXIMUM	ONIMO	POSITION	274-	-618		1000	-263	-631					
	-	DOSE	(ROENTGENS)		•	2	8	8	900	1000	0000	30000	MAXIMUM DOSE	6311		-	BOSE	(ROENTGENS)		-	·	0.	8	001	300	3000	1 0000	30000	MAXIMUM DOSE 1075		-	3000	(ROENTGENS)		-	٠:	2 5	3 6	38	300	0001	0000	00000	MAXIMIM DOSE	The same of the sa

Supplement to WSEG RM No. 10 Table 1-33

1-54-59-5

.001 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

- 3500							
BOSE	2		•	\$	•	7	9
	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
	ONIMO	CHIMINADA	HAISWIDTH	GNIWSSORD	AREA	AREA	MAXIMUM
(KOENI CENS)	MOSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	45-	2346	53	199	2665	5645	1200
•	36-	2096	**	136	4218	1194	1200
01	*	1774	:	110	3043	3126	1200
30	-62	1480	39	8	2068	2033	200
100	-62	1151	33	99	1109	1258	900
300	17-	900	56	1.	563	609	200
1000	4	373	•	91	00	*	
3000							
10000							
MAXIMUM DOSE							
-		FEFECTIVE FALLOUT SHEAR		0.4 KNOTS/1000 FT. ALTITUDE	T. ALTITUDE		
							•
-	2			s	•	1	2000
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	APFA	MAXIMIM
(ROENTGENS)	POSTION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	42-	2250	53	202	6672	7317	1200
	-	1900	64	174	4872	5561	1200
0	-	1646	:	92	3423	3660	1200
30		1400	36	16	2220	2180	200
100	23-	101	33	92	1136	1310	200
300	-7.1	746	56	90	552	299	200
1000	4	320	9.	91	69	•	
3000							
10000							
30000							
1943							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	8 KNOTS/1000 FT. ALTITUDE	T. ALTITUDE		
	,	•		,	•	7	80
9000	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(BOENTCENE)	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
100000000000000000000000000000000000000	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	W:DIH
	42-	2132	*	315	8603	10664	1200
•	38-	1957	90	261	9200	1782	1200
10	34-	1950	64	161	4313	4746	1200
30	-62	1270	0	130	2452	2652	200
100	23-	046	34	86	1242	1481	200
300	-11-	633	7.2	*6	202	155	800
1000	4	,4237	91	91	5	09	
3000							
1 0000							
30000							
MAXIMUM DOSE							

Calculated Fallout Contours (Maximum Biological Dose)

.001 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.2	KNOTS/1000 FT. ALTITUDE	. ALTITUDE		
-	2	3	•	5	•	7	œ
9500	MAXIMINA	***************************************	Ording SOal			COLUMNICO	0.10
, and a second	- IBWIND	WOW TO THE OWNER OF THE OWNER OWNER OF THE OWNER OW	The state of the s	MAXIMUM	ACION	7964	NAME OF THE PARTY
(KOENI CENS)	NOTING.	DONAMINO	AT COOLS	CKOSSWIND	AREA	AKEA (C) 1 105 E)	MAXIMUM
	201100	DISTANCE	NIONO IV	HALFWIDIN		(בררוגים)	HIGH
	-04	4 300	84	143	6096	9935	5100
	36-	3829	:	123	7370	7474	2100
0 1	31-	3217	25	46	4721	4947	2100
8	-92	5264	*	78	3190	3195	1200
001	-02	1889	58	96	1622	1606	1200
300	-6-	9611	50	ĸ	019	673	200
0001		63	3	9	•	•	
3000							
1 0000							
30000							
1032							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4	KNOTS/1000 FT. ALTITUDE	ALTITUDE		
						,	
- 50	2	-	•	\$	•	,	80
300	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(KOENIGENS)	POSITION	DISTANCE	AT ORIGIN	HAIFWIDTH	AKEA	(FILIPSE)	MAXIMUM
						(10.000)	
	-0	0024	•	1.78	11518	11863	2100
7 9	-96	3053	::	152	8387	9914	2100
0 1	-15	3040	39	117	5398	5623	2100
9	-92	2437	*	8	3351	3421	1200
001	-02	1750	58	8	1626	1621	1200
200	-61	5601	50	37	579	639	200
0001		20			•	c	
0000							
00001							
MAXIMIM DOSE							
1031							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	KNOTS/1000 FT. ALTITUDE	. ALTITUDE		
-	2	6	•	\$	•	7	00
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	-04	3923		270	15562	16780	2100
	-96	3365	:	224	10606	12029	2100
01	-16	2760	36	150	6578	6988	2100
30	-92	2175	*	1117	3570	4052	1200
100	-02	1505	88	65	1630	1569	1200
300	-6-	606	20	0.	522	978	200
1000		56	3	6	-	-	
3000							
1 0000							
30000							
MAXIMUM DOSE							
1028							

8-24-59-2 Table II Supplement to WSEG RA: No. 10

Table II-1 Supplement to WSEG RM No. 10

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS. .001 YIELD (MEGATONS)

40 WIND (KNOTS)

		EFFECTIVE FALLOUT SHEAR 0.2	OUT SHEAR (KNOTS/1000 FT. ALTITUDE	. ALTITUDE		
-	2	3	•		2	•	1	00
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MA	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
ROENTGENS)	DNIMAN	DOWNWIND	HALFWIDTH AT OBIGIN	ON THE	CROSSWIND	AREA	(ELLIPSE)	WIDTH
	Sollico	DISTANCE				16430	41741	4500
-	37-	8084	: :		15.	10050		2000
•	33-	6969	0		101	2240	7662	3200
10	-82	2010	מ מ		9			200
90	23-	4412	30		0 0	9001	1043	1200
001	-01	5352	3:		33	223	348	200
300	7	1480	2		S	100		3
1000								
3000								
1 0000								
30000								
638								
		EFFECTIVE FALLOUT SHEAR		0.4 Kh	KNOTS/1000 FT. ALTITUDE	. ALTITUDE		
	2		•		5	•	7	00
BOSE	MAXIMUM	MAXIMUM	CROSSWIND	W	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
POENTGENE	UPWIND	DOWNWIND	HALFWIDTH	CRO	CROSSWIND	AREA	AREA	MAXIMUM
CENTORIA	POSITION	DISTANCE	AT ORIGIN	H	HALFWIDTH		(ELLIPSE)	WIDIM
-	37-	7745	:		163	18717	18661	4500
3	33-	9199	0.		131	13450	13661	4500
10	-92	5338	35		100	8301	8433	3200
30	23-	4110	30		72	4677	4670	2100
100	-61	2690	23		5.	1935	1895	1500
300	7	1349	13		54	419	205	200
1000								
3000								
1 0000								
30000								
MATIMUM INDE								
919								
		EFFECTIVE FAL	EFFECTIVE FALLOUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE	I. ALTITUDE		
-	2	3			\$	0	7	30
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	2	MAXIMUM	ACTUAL	ESTIMATED	KANCE
(ROENTGENS)	DIMMIND	DOWNWIND	HALFWIDTH AT ORIGIN	5 2	CROSSWIND	AKEA	(ELLIPSE)	WIDTH
	NOUNCE	1012	**		1446	26186	27641	4500
		100				16248	17718	4500
1		100			901	*0	10238	3200
2 9	-87		000			000	5172	2100
2	-63	1466	200			246	1415	1200
001	-01	6637	5					000
300	-	1001	13		54	378	•	2
0000								
0000								
30000								
MAXIMUM DOSE								

Calculated Fallout Contours (Maximum Biological Dose)

.001 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	2	9	•	\$	•	7	
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	ACTUAL	FETTMATED	PANCETO
(ROENTGENS)	UPWIND	DOWNWIND	HALFWIDTH	CBOSSWIND	1000	4964	
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	5	(HLIPSE)	WIDTH
-	36-	11543	45	122	22429	22260	9000
•	35-	9623	38	901	15695	16891	9004
10	-92	7831	33	2	9657	9572	4500
30	-12	1685	27	57	5435	2200	3200
100	-61	3605	50	8	2065	1946	1200
300	-2	1421	1	17	346	342	2
1000						1	3
3000							
00001							
30000							
MAXIMUM DOSE							
496							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4	1	KNOTS/1000 FT. ALTITUDE		
-			•				
9008	MAXIMIM	7	Contractor			,	80
TO CONTROLLE !	UNIMO	COMPINED	CKOSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANGE TO
(KOENI OENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	AREA	(FILIPSE)	MAXIMUM
	36-	11000	42		26412	34044	1
r	32-	6307		2	17473	1000	0000
10	-92	7349	3 5			13771	0000
30	-12	5466	27		2477	9000	0000
100	-51	3304	50	3 5		2000	2000
300		1301		3:		2001	800
1000					308	344	000
3000							
10000							
30000							
MAXIMUM DOSE							
487							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	KNOTS/1000	KNOTS/1000 FT. ALTITUDE		
-	2	3	,	\$	9	7	80
post	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSÉ)	WIDTH
-	36-	10176	42	221	32882	35445	0009
3	32-	8475	38	169	21231	225.70	0000
01	-92	6239	33	117	11542	12088	4500
30	-12	4715	27	76	2466	5631	3200
100	13-	2715	50	36	1725	1680	1200
300	-2	1045	1	1.7	245	270	
1 000				:		413	8
3000							
1 0000							
30000							
MAXIMUM DOSE							

Table II-2 Supplement to WSEG RM No. 10

Table II-3 Supplement to WSEG RM No. 10

.003 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

1 239	POSE ROENIGENS)		EFFECTIVE PALL	EFFECTIVE FALLOUI SHEAK 0.2		אווסטון וויססון וויססון		
Convenience	DOSE IOENIGENS)	2	3	•	5	9	7	80
The convenient of the part o	ioenigens)	***************************************	THE NAME OF THE OWNER,	CROSSWIND	MAXIMIM	ACTUAL	ESTIMATED	RANGE TO
CONTINUED CONT	OENIGENS)	MAKIMUM	MAXIMUM	Or Harrison	Contraction of the last	1000	APFA	MAXIMILE
234- 99 289 285 1143 1143 205 205 205 205 205 205 205 205 205 205		OWIND	DOWNWIND	TALPWIDIT AT COLO IN	CKOSSWIND	5	(ELLIPSE)	HIDIM
229- 1113 204 204 205 1100 2 224- 99 205 205 205 205 205 205 205 205 205 205	0	NOTIFICA	DISTANCE	1000	110111111111111111111111111111111111111		***	
1842 284 285 284 1137 1144 1137 1144 1137 1144 1137 1144 1145 1144 1145 1144 1145 1144 1145 1144 1145 1144 1145 1144 1145 1144 1145 1145 1144 1145 114	. 0	-962	113	304	304	5001	000	
1870 613 261 284 118	10	-557	8	202	285	1375		
167		205-	63	192	261	1132	1184	
164- 39 209 809 669 716 104- 24 139 139 282 290 200	2	187-	00	236	230	716	926	
141- 39	3 5			200	808	689	716	
104- 24 139 159 282 290	3	-	2 5		2	400	407	
100- 24 137 137 150	300	-	4				000	
### ### ##############################	1000	100-	*	661	2	707	24.	
FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	3000	-69	•	67	20	601	101	
CHEFCTIVE FALLOUI SHEAR	1 0000							
FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	30000							
CONTRIBUTE COCSSIPPO COCSSIPPO CONTRIBUTE CONTRIBUTE COCTSSIPPO CONTRIBUTE COCTSSIPPO CONTRIBUTE CONTR	XIMUM DOSE							
FFECTIVE FALLOUT SHEAR	6139							
MAXIMUM MAXIMUM ACTUAL STINATED			CECECTIVE CALL			FT ALTITUDE		
COOKNING			ELLECTIVE PACE					
AMAZINGUM MAZINGUM ACTUAL ISTINATED		2		•	2	•	1	00
CONTINUED	9000	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
POSITION DISTANCE AT ORIGIN PALEWIDTH CAULUPS) 222	-	CINIMA	ONIMINA	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
222- 107 491 491 2492 2619 2216- 93 457 416 416 1717 1792 1178- 47 325 376 1364 1421 1178- 47 325 376 1364 1421 1178- 47 325 376 1364 1421 1178- 47 325 325 992 1029 37- 17 196 196 330 338 37- 3 79 196 196 330 338 27- 3 3 79 79 49 592 28- 3 3 4 4 5 326 18- 69 69 692 6891 28- 69 690 690 2209 28- 69 690 690 2209 28- 690 690 2209 28- 690 690 690 2209 28- 690 690 690 315 28- 690 690 315	OENIGENS)	POSTION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
178- 107 416 417 121					104	2402	2610	
178- 93 457 416 1717 1795 178- 416 416 1717 1795 178- 416 416 1717 1795 178- 416 416 1717 1795 178- 417 418	-	-262	101			24.50		
178- 77 416 410 1717 1795 178-	•	-912	93	457	457	1117	4177	
178- 63 376 376 1364 1421 1421	10	197-	11	416	416	1717	1795	
154- 47 325 325 992 1029 1029 129- 33 271 964 967 667 688 93- 17 196 196 330 338 93- 17 196 196 330 338 336	30	178-	3	376	376	1364	1451	
129- 33 271 271 667 686 686 686 687	100	154-	47	325	325	865	1029	
### 196 196 196 198 19	300	120-	33	27.1	172	199	688	
STATE STAT	0001	-		196	196	330	338	
FEFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE AMAXIMUM CONSTRUCTOR ACTUAL STIMATED CONTINUED CONSTRUCTOR COSSISTING CONTINUED CONSTRUCTOR CONTINUED	200			10		•	90	
CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE Check	2000	- 15	•				:	
Companies	10000							
CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE CHECTIVE FALLOUTH CHECT	30000							
Companies	KIMUM DOSE							
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	3706							
MAXIMUM MAXIMUM ACTUAL STIMATED			FFFECTIVE FAL	OUT SHEAR 0.8		FT. ALTITUDE		
MAXIMUM								G
MAXIMUM MAXIMUM ALTUAL STRUCTURE	-	2	3	•	•		25.00.00	0130000
POSTITION DONNWIND HALFWIDTH CHOSKIND AREA	DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANCELO
ACRITICN DISTANCE ALORICIN INALWIDIN (ELLIPSE) 2.23— 99 889 6891 3594 4504 2.04— 69 742 742 2893 2976 1.04— 39 857 1513 1505 1.11— 25 442 442 918 944 67— 9 2.65 2.65 309 315	*OFNIGENS	ONIMAN	DOWNWIND	HALFWIDTH	CROSSWIND	AKEA	AKEA	MAXIMOM
223- 99 889 8891 4291 206- 85 822 3594 186- 69 742 742 2853 140- 39 857 857 1513 111- 25 442 918 67- 9 265 265 309	1	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE,	WIDIM
206- 65 822 822 3594 166- 69 742 742 2853 166- 55 660 660 220 111- 25 442 957 1513 67- 9 265 265 309		223-	8	688	1688	4291	4504	
166- 69 742 742 2853 166- 59 600 660 2200 140- 39 957 957 1513 111- 25 442 442 918 67- 9 265 265 309		306	•	822	822	3594	3762	
164- 55 660 660 2200 1140- 39 557 1513 111- 29 442 442 918 67- 99 265 265 309	• •		3	220	-	2000	30.00	
140- 39 957 950 050 050 050 050 050 050 050 050 050	2:	-	1	***	35.	2000	2000	
110- 39 957 557 1513 111- 29 442 442 918 67- 9 265 265 309	20	-	cc.	000	000	2500	1037	
67- 9 265 265 309	901	-041	30	557	557	1513	1565	
67- 9 265 265 309	300	-==	23	442	442	916	**6	
	1000	-19	•	202	265	309	315	
10000 10000 10000	3000							
30000 MINUM DOSE	0000							
SOOCIAL MINITER DOSE	00001							
CKINDM DOSE	30000							
	AXIMUM DOSE							

Calculated Fallout Contours

(Maximum Biological Dose) .003 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

10 WIND (KNOTS)

MAXIMUM MAXIMUM CROSSWIND MAXIMUM ALEMOTH CROSSWIND ALEMOTH								
MAXIMUM MAXI	- 500	7	9	•	5	*	7	•
PUNITION DOWNWIND HALFWIDTH CRASSWIND ACTIVAL STIMATED	002	MAXIMUM	MAXIMUM	CROSSWIND	,	0	,	20
Control	(ROENTGENS)	UPWIND	DOWNWIND	Children and a second	MAXIMUM	ACTUAL	ESTIMATED	RANGE
STANKE A OHGIN HAFWOON GELUPED		TACITISON OF	Company of the Compan	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIM
## 4390 57 300 11418 1424 13355 14		20150	DISTANCE	AT ORIGIN	HAI COUNTY			THE WALL
FFECTIVE FALLOUT SHEAR	-	48-	4300				(ELLIPSE)	WIDIM
FFECTIVE FALLOUT SHEAR	3	-	0	'n	307	19330	21418	320
FEFECTIVE FALLOUT SHEAR			0000	93	251	14324		
FFECTIVE FALLOUT SHEAR 0.4 KNOTS/ 1000 FT ALTITUDE 20.04.2	2 1	-65	3259	48	000		1000	012
FFECTIVE FALLOUI SHEAR	25	- 45	2679	•			70445	210
FFECTIVE FALLOUT SHEAR	001	-82	2036	? !	341	6043	6068	120
12- 14-5 30 6-3 1477 14-39 14-55	300	-12	200	1	106	3092	3444	120
FFECTIVE FALLOUT SHEAR	1000	::	6261	30	63	1477	82.41	
EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 7 2 2 2 2 2 2 2 2 2	0000	-31	788	21	35	0.4		ח ו
FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE NAXIMUM NAXIMUM ACTOSSWIND NAXIMUM ACTOSSWIND NAXIMUM ACTOSSWIND	0000					•		Ö
EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 0.4 KNOTS/1000 FT. ALTTUDE 0.4 KNOTS/1000 FT. ALTITUDE 0.4 KNOTS	1 0000							
FFECTIVE FALLOUI SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 7 1 1 1 1 1 1 1 1 1	30000							
Committee	WXIMUM DOSE							
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE A	2774							
### FFECTIVE FALLOUI SHEAR 0.4 KNOTS/1000 FT. ALTITUDE Additional								
Chemistry			EFFECTIVE FALL			PY ALTITION		
MAXIMUM MAXIMUM CROSSININD MAXIMUM MAXIMUM CROSSININD MAXIMUM MAXIMUM CROSSININD MAXIMUM CROSSININD MAXIMUM CROSSININD MAXIMUM MAXIMUM CROSSININD MAXIMUM MAXIMUM CROSSININD MAXIMUM						TI ALIIIUDE		
MAXIMUM MAXI		7	6	•	5	•		•
PONTININ DOKAWIND HALWIGH GROSSING ACTUAL STIMATED	Sost	MAXIMUM	MAXIMUM	CROSSWIND	***************************************		,	0
POSITION DITANCE ALABATININ ALEA A	ROENTGENS	OPWIND	CNIMANOO	1	MUNITAM	ACTUAL	ESTIMATED	RANGE
### 4077 ALONG HALMON H		POSITION	OF TABLE	HALFWIDIH	CKOSSWIND	AREA	AREA	MAXIMU
## 4077 58 494 28997 31989 34 2936 49 311 2030 23180 34 2936 49 311 2030 23180 28 1724 3547 1422 28 1724 3547 351 8144 29 25 25 25 25 25 25 25 25 25 25 25 25 25			DISTANCE	AL OKIGIN	HALFWIDTH		(ELLIPSE)	MIDIM
1942 1942 1948	-	+8-	4077	4	***			1011
## 12 2030 23180 34- 2361 44 217 7471 28- 1724 31 62 23180 28- 2361 44 217 7471 28- 1147 31 62 3347 3998 12- 1147 31 62 1274 18- 361 21 29 289 ### 217 7471 ### 217 7471 ### 217 7471 ### 217 7471 ### 217 7471 ### 217 7471 ### 217 7471 ### 218 ### 217 7471 ### 218 ### 218 ### 217 7471 ### 218 #### 218 ###################################	7	-	264.0	2		16687	31989	3200
### 1297 1422 1422 1422 1422 1422 1422 1422 1422 1422 1423			2400	40	412	20330	23180	2100
24 2361 44 217 7471 8142 22 22 2361 22 2361 2362 2363 2362 2363	2 ;	-65	2936	6*	311	12507		200
28	30	-45	2361	:	21.2		7755	200
12	100	28-	1734	:		110	8144	1200
FFFECTIVE FALLOUI SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 7.0 7.	300	110			145	3547	3998	1200
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 7 2 2 2 2 2 2 2 2 2	000		1	31	82	1274	1499	200
### FFECTIVE FALLOUI SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ANAXIMUM MAXIMUM CROSSWIND AREA CROSSWIND		-31	180	21	53	283	270	
Comparison Com	3000						2	300
EFFECTIVE FALLOUI SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 7 3 4 4 4 4 4 4 4 4 4	1 0000							
Comparison Com	30000							
STATE STAT	XIMIM DOSE							
CHARLOUT SHEAR 0.8 KNOTS/1000 F1. ALTITUDE CHARLOUT SHEAR 0.8 KNOTS/1000 F1. ALTITUDE CHARLOUT SHEAR 0.8 KNOTS/1000 F1. ALTITUDE CHARLOUT C	2741							
FFECTIVE FALLOUI SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ANAMUM ANAMUM CROSSIND ANAMUM ACTUAL STINATED ANAMUM ANAMUM ACTUAL STINATED ANAMUM ANAMUM ACTUAL STINATED ANAMUM ANA								
МАХКИМІА ЛАХІМІА СКОЅЯМІВ МАХІМІМ АСТІЛАІ БІЗПАЛІБО ПРИМИТЬО ПОЛАКИМІВО ПАТИМОТНІ СКОЅЯМІВО МАХІМІВО АБТІЛА В ВІЗПАЛІБО ПОТАКОВО В ВОВО В ВОВО В В В В В В В В В В В			EFFECTIVE FALL		KNOTS/1000	FT. ALTITUDE		
MACHINUM MACHINUM MACHINUM ACTUAL ESTIMATED	-	2		•	•			
UPWIND DOCNAMINED CASSAMINED ACTUAL STIGNATED ACTUAL STIGNATED ACTUAL STIGNATED ACTUAL STIGNATED ACTUAL STIGNATED ACTUAL STIGNATED ACTUAL ACTU	DOSE	MAXIMIM	AAA X IAGI IAA	diameter of the	,	•	,	80
POSITION DISTANCE TRANSPORT (LUINS) 47	ROFNIGENS	UPWIND	ON WINNOW	Children of the Control of the Contr	MAXIMOM	ACTUAL	ESTIMATED	RANGE 10
47- 3746 60 45192 51216 47- 3746 60 696 2752 35712 39- 2596 51 461 17679 19015 24- 2013 45 346 9012 11114 28- 1361 39 170 3783 3758 12- 354 21 21 103 1233		POSITION	DISTANCE	TION OF THE	CKOSSWIND	AKEA	AREA	MAXIMUN
47- 3746 60 659 45192 51216 43- 2513 56 698 27752 35712 34- 2013 45 346 17679 19015 28- 1361 39 170 3783 12- 364 21 21 1253 1533 12- 354 21 21 1253 1533			301010	A CKICIN	HALPWIDTH		(ELLIPSE)	WIDTH
43- 3213 56 698 2752 35712 34- 2616 51 461 17679 19015 34- 2013 45 346 9012 11114 21- 862 35 170 3783 3758 12- 354 21 21 103 121		-/.	3748	9	859	45192	51216	2100
39- 2566 51 461 17679 19015 28- 1361 39 176 3763 3758 21- 862 32 111 1253 1533 12- 354 21 21 103 121	7	43-	3213	26	404	27783		2
34- 2013 45 346 9012 11114 25 1114 25 1114 25 1114 25 1114 25 114 25	01	39-	2586	51	144	175.30	31.00	200
28- 1381 39 170 912 11114 21- 862 32 111 1253 1533 12- 354 21 21 103 121	30	34-	2013			401	61061	2100
21- 554 37 170 3783 3756 12- 554 21 21 155 1533 12- 554 21 21 103 121	100	28-	.30:	7	0 1	2104	*	1200
	300		100	60	170	3783	3758	200
12- 354 21 21 103 121			298	32		1253	1533	500
	200	-21	354	21	21	103	151	
	3000							
	00001							
	30000							
	XIMUM DOSE							
	00,70							

Table II-4 Supplement to WSEG RM No. 10

Table II-5 Supplement to WSEG RM No. 10

.003 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND ABEAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

(ROBHIGHA) (ROBHI		MAXIMUM CROSSWIND DONNWIND MALFWIDTH DONNWIND MALFWIDTH DOSANCE AT DESCIN 44 44 44 44 44 44 44 44 44 44 44 44 44	AND STATE OF	ACTUAL AREA ASSASS 23147 14590 6946 4072 14590 6946 4072 14590 6946 4072 14590 6946 4072 14590 6946 4072 40776 315933 156776	ESTINATE AREA (ELITE) 24668 24691 153354 9041 4269 1640 3061 7 ESTINATE AREA (ELITE) 20067 250967	8 8ANGE TO WAZIMUM WIDTH 4500 4500 6500 1200 1200 1200 1200 1200 1200 1200 1
MAXIM LOSIN		ALCOSSWIND		ACTUAL ARTHURE ACTUAL ARTHURE ACTUAL AREA	ARA (ELLINS) 3-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8	RANGE TO MAXIMUM WIDTH 4900 3200 3200 3200 3200 3200 3200 3200 3
MAXILE MA		ALEWDIN ALEWDI		AIRA AIRA AIRA AIRA AIRA AIRA AIRA AIRA	(ELUES) 2-46-62 2-46-63 2-46-63 2-46-63 16-40 16	######################################
MAAAAA U CANAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		OUT SHEAR 0.4 Outside A Out Shear 0.4 Outside A Outside		32595 23147 14590 9566 4072 14899 282 282 ACTUAL AEA 41778 31693 16679	(ELUNS) 3-86-8 2-9-31 19-3-4 90-1 90-1 90-1 90-1 90-1 90-1 90-1 90-1	4900 4900 3200 3200 3200 3200 3200 3200 3200 3
AMAZII UPWW POSITI		007 SHEAR 0.4 CROSSWIND HALPWIDTH A f Ollicity A f 0.4 CROSSWIND HALPWIDTH A f ollicity A f 0.4 ce 4 ce		22595 23595 14590 4072 1480 282 1480 282 ACIUAL AEA ACIUAL AEA 18873 18873 18878	24462 244031 113334 1040 1040 1040 1040 1040 10	4900 9200 9200 2100 2100 1200 1200 1200 1
AMOUNT OF THE PROPERTY OF THE		OUT SHEAR 0.4 CROSSWIND HALPWIDTH AT OBJECT AT		23147 14590 8546 14072 14072 14090 282 282 ACTUAL A	24931 9041 4269 1640 306 3060 23040 20067	#500 1200 1200 1200 1200 1200 1200 1200 1
MAXXII UPWII POSITI		OUT SHEAR 0.4 CROSSWIND MALEWIDTH AT OBLIGHA A SHEAR S		14590 9646 4072 1489 282 282 ACIUAL AEA ACIUAL AEA ATTR 18878 18878	19354 9041 4269 1640 306 1640 1640 1640 1640 1640 1640 1640 16	2200 2100 2100 1200 1200 1200 1200 1200
S MANAN		OUT SHEAR 0.4 GOSSWIND HALFWIDTH AT OUTCHEAR 193		9846 4072 1489 282 282 ACIMAL ACIMAL ACIMAL ACIMAL ACIMAL ACIMAL ACIMAL 18878	9041 4469 1640 306 306 7 1511wa1ED AREA (ELIMS) 33045 33045 20067	3200 2100 1200 1200 300 1200 300 300 400 400
MAAU UPWW POSIT		OUT SHEAR 0.4 CROSSWIND HALPWIDTH AT OUTGING 93		4072 1889 282 282 622 ACTUAL AEA 4776 31893 18678	4269 1640 306 306 7 ESIMATE AREA (ELINSE) 23040 23040 20067	2100 1200 500 500 500 500 500 500 500 500 500
MAXIII O'GW		OUT SHEAR 0.4 COOSSWIND A COO		1889 282 282 6 ACTUAL A	1640 306 306 3360 2004 3000	1200 900 MAXIMUM WIDTH 4500
MAXIII O WANIII POSITI		OUT SHEAR 0.4 CROSSWIND ALEWIDTH AT OBLIGIN 83 84 84		282 FT. ALTITUDE ACTUAL AEA 47178 31833 18678	306 ESTIMATED AREA (ELLIPSE) 33040 23040 20060	BOO RANGE TO MAXIMUM WIDTH 4500
MACE I		OUT SHEAR 0.4 CROSSWIND HALFMOTH AT ORIGIN 53		FT. ALTITUDE ACTUAL AREA ALEA AT178 31833 18678	551 IMATED AREA (ELLIPSE) 33040 3580 3 20967	EANGE TO MAXIMUM WIDTH
A MAKE		OUT SHEAR 0.4 CROSSWIND HALFWIDTH AT OBLIGIN 53 49		FT. ALTITUDE CONTROL ACTUAL AREA AT 178 31833 18678	651MATED AREA (ELLIPSE) 53040 35603 20067	RANGE TO MAXIMUM WIDTH
A MAKE		COUSWIND HALFWOOTH AT OBJOIN 49		FT. ALTITUDE ACTUAL AREA 47178 31833	7 ESTIMATED AREA (ELLIFSE) 53040 20967	RANGE TO MAXIMUM WIDTH
MAKE A		COUT SHEAR 0.4		FT. ALTITUDE ACTUAL AREA 47178 31833 18678	7 ESTIMATED AREA (ELLIPSE) 530403 20967	RANGE TO MAXIMUM WIDTH WESON
AMAXIII USM		OUT SHEAR 0.4 CROSSWIND HALFWIDTH AT ORIGIN 53		FT. ALTITUDE ACTUAL AREA 47178 31833	ESTIMATED AREA (ELLIPSE) 53040 35903	RANGE TO MAXIMUM WIDTH
AMAZII UPW		CROSSWIND HALFWIDTH AT OBJIGIN S3		FT. ALTITUDE ACTUAL AEA 47176 31833 18878	7 ESTIMATED AREA (FLLIPSE) 53040 35903 20967	RANGE TO MAXIMUM WIDTH
Some		CROSSWIND HALFWIDTH AT ORIGIN 53	5 MAXIMUM CROSSWIND HALFWIDTH 447 394 257	ACTUAL ARA AT 178 31833 18878	7 ESTIMATED AREA (ELLIPSE) 53040 35803 20967	RANGE TO MAXIMUM WIDTH
Posm		CROSSWIND HALFWIDTH AT ORIGIN 53	MAXIMUM CROSSWIND HALFWIDTH 447 354 257	ACTUAL AREA 47176 31833 18878	ESTIMATED AREA (ELLIPSE) 53040 35803 20967	MAXIMUM WIDTH 4500
nso		AT ORIGIN 53 69	CROSSWIND HALFWIDTH 447 354 257	AREA 47176 31833 18878	AREA (ELLIPSE) 53040 35803 20967	WIDTH WIDTH
Tigo.		A1 ORIGIN 53 5	447 447 384 287	47176 31833 18878	(ELLIPSE) 53040 35803 20967	4500
		8 2 2	i a a	47178 31833 18878	53040 35803 20967	4500
		::	Ř	31833	35803	***************************************
		:	757	18678	20967	2000
						3200
		36	172	10259	10611	2100
		32	66	4267	4296	2100
		2	*	1413	1001	1200
		15	•	98-	189	000
3000						
10000						
MAXIMUM DOSE						
1438						
	EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
, ,	•		\$	•	1	
*	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
2	٥	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
POSITION		AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	6289	5	765	71773	82597	4500
-11-		64	563	45510	50928	3200
		:	397	24319	28045	3200
	31- 3296	36	262	11586	13681	2100
		35	•	3915	4627	1500
		22	3	978	1142	900
		12	12	94	*	
3000						
10000						
30000						
AXIMUM DOSF						

Calculated Fallout Contours (Maximum Biological Dose)

.003 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	DOWNWIND DOLLANGE 14891 12674 12674 12675 12675 12675 12675 12676	DOWNWIND DOWNWIND 14891 11891 11897 11897 11897 11897 11897 11899 11899 11899 11899 11899 11899 11899 11899 11899 11899 11899 11899 11899 11899		MAXIMUM ACTUAL CROSSINIAM ACTUAL CROSSINIAM ACTUAL STATE STA	2 5 6 10 4 -
- 111111	114691 114691 10149 1014	A CARGANIAN A CARG		AREA S2257 39297 39299 21607 11616 4910 1170 112 112 112 112 112 112 112 112 112 11	2 3 4 10 4 -
	14891 10149 10149 7767 7767 2793 580 580 580 580 13 13 13 13 13 13 13 13 13 13 13 13 13	A 69 45 27 24 27 27 27 27 27 27 27 27 27 27 27 27 27	-	53237 36298 21607 11616 4910 1476 12 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2 = 4 n n -
	12674 10149 10149 10147 2793 580 580 CTIVE FALLC	ASSWIND HEAR 0.4 CROSSWIND HAEWDIN ALONG HAE ASSWIND HAEWDIN ALONG HAE ASSWIND HAEWDIN ALONG HAE ASSWIND HAE ASSWIND HAE ASSWIND HAEWDIN ALONG HAE ASSWIND HAEWDIN ALONG HAEWDIN ALONG HAEWDIN ALONG HAEWDIN ASSWIND HAEWDIN A		2007 21007 11616 4910 1476 12 6411 75086 4631 4331	
	10149 7767 5117 2793 580 580 CTIVE FALLC	DUT SHEAR 0.4 CROSSWIND HARWIDTH AT ORIGIN 4.5		21607 21616 4910 1476 1476 12 ACTUAL AEA AEA 75086 75086 75086 75086 75086 75086 75086 75086 75086 75086 75086 75086	
	2793 2793 2793 2793 280 CTIVE FALLO 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	24 27 18 18 27 18 18 27 27 27 27 27 27 27 27 27 27 27 27 27		11116 1476 1476 12 12 17 17 17 17 17 17 17 17 17 17 17 17 17	
	560 560 560 CTIVE FALLO 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CROSSWIND HERMIND HARWIDEN A CHOIGIN		1876 1876 1876 1876 1876 1876 1876 1876	
	580 580 CTIVE FALLO	DUT SHEAR 0.4 CROSSWIND HALFWIDTH AT ORIGIN 45		12 12 12 12 12 12 12 12 12 12 12 12 12 1	
	S80 CTIVE FALLC SANOWIND STANCE	CROSSWIND HARWICH A CHOCK A CH		1476 12 12 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	
	CTIVE FALLC	OUT SHEAR 0.4 COSSWIND HALFWIDTH AT ORIGIN 45		12 O FF. ALTITUDE ACTUAL AREA 73086 48222 26442 26442 12996 4331	
	CTIVE FALLO	CROSSWIND HALFWIDTH AT ORIGIN 49 45		D FT . ALTITUDE ACTUAL AREA 75086 48222 26442 12936 4331	
	CTIVE FALLO	CROSSWIND HALFWIDTH AT ORIGIN 49 49 40 40 90 90 90 90 90 90 90 90 90 90 90 90 90		7 FT . ALTITUDE ACTUAL AREA 75086 46222 26442 26442 12956 4531	
	CTIVE FALLC 3 NATION IN INVIDITE STRANCE	CROSSWIND HALFWIDTH AT ORIGIN 49	-	6 ACTUAL ARA 75086 4822 26442 12956 4531	
	CTIVE FALLC	CROSSWIND HALFWIDTH AT ORIGIN 49		6 ACTIVIDE ARA ARA 75086 4822 26442 12996 4531	
	3 AXIMUM DVNWIND ISTANCE	CROSSWIND HALFWIDTH AT ORIGIN		ACTUAL ARA 75086 4822 26442 12956 4431	
	3 MXIMUM WYWIND ISTANCE	CROSSWIND HALFWIDTH AT ORIGIN	5 MAXIMUM CROSSWIND HALFWIDTH 386 297 297 206 134	ACTUAL AREA 75086 48222 26442 12996	7 65TIMATED AREA (ELLIPSE) 83396 53388 28763
	NYNWIND	CROSSWIND HALFWIDTH AT ORIGIN A D A D	MAXIMUM CROSSWIND HALFWIDTH 388 297 297 206 134	ACTUAL AREA 75086 4822 26442 12956	ESTIMATED AREA (ELLIPSE) 83396 53388 28763 13775
	WINWIND	AT ORIGIN AT ORIGIN AS	CROSSWIND HALFWIDTH 386 297 297 206 134 72	AREA 75086 4822 26442 12956	Alfa Alfa Alfa Alfa Alfa Alfa Alfa Alfa
	STANCE	AT ORIGIN	134 134 297 206 134 72	75086 48222 26442 12956	6111PSE) 83396 53368 28763
	2647	* * * *	386 297 206 134 72	75086 48222 26442 12956 4431	611(PSE) 63396 53386 28763 13775
			206 206 134 72	75086 48222 26442 12956 4431	83396 53388 28763 13775
	-	n 0 5	297 206 134 72	48222 26442 12956 4531	53368 28763 13775
- 22	11404	° ;	206	12956	28763
-72	8870	,	15. 27	12956	13775
	6527		72	4531	22.5
-02	4045		3,		
-11	2040	8-	2		4104
		:	3	5	1130
EFFEC	EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	KNOTS/1000	KNOTS/1000 FT. ALTITUDE	
2	3	,	,	,	
MAXIMUM	MAXIMIM	CPOSSWIND			
	DOWNWIND	TAI CHAIRT	MUMINAM	ACTUAL	ESTIMATED
	DISTANCE	AT ORIGIN	HALFWINTH	AKEA	AREA
	2277				(בררוניסר)
		20.	3	109776	124423
	50001	•	469	96259	73912
33-	7464	0.	307	32398	34145
-72	5178	34	187	13050	2000
-02	2907	27		2000	96361
			ò	1185	6000
	212	•	8	110	741

Table II-6 Supplement to WSEG RM No. 10

Table II-7 Supplement to WSEG RM No. 10

60 WIND (KNOTS)

.003 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALLOUT SHEAR 0.2	OUT SHEAR 0		KNOTS/1000 FT. ALTITUDE		
-	2	•	•	5	•	1	80
DOSE	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
1	CNIMA	ONIMINACO	HALFWIGTH	CHOKENIND		AREA	MAXIMUM
(KOENI CENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
		21133	*	224	70107	74177	14000
			:				
, ,			::		2150	1000	300
2 5	-	9366	8 5	3 3	96637	19075	900
3	ė	•1001	7	6	27.50	200	0000
100		6360	50	**	5033	4895	3200
300	4	2996	2	24		1152	1200
200							
3000							
10000							
30000							
MAXIMUM DOSE							
782							
		EFFECTIVE FALLOUT SHEAR 0.4	OUT SHEAR 0		KNOTS/1000 FT. ALTITUDE		
							•
	2	•	-	•		ECTIVITED	0, 30,440
802	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	•	בזושמונה	TAN TAN TAN
(NOENTGENS)	DAINO	DOWNWIND	HALFWIDTH	HAIFWIDTH	Y YES	(ELLIPSE)	WIDTH
		-	-				
-	-	19247	•	352	95756	015001	200
•	-75	13841	•	263	60338	02047	000
9	-15	12013	8	178	31031	33727	1100
8	2	8512	35	0 -	14285	14770	0000
001	-7-	4900	24	57	4369	4382	3200
300	4	2160	2	3	834	920	1200
1000							
3000							
1 0000							
30000							
736							
		EFFECTIVE FALLOUT SHEAR		0.8 KNOTS/	KNOTS/1000 FT. ALTITUDE		
	,	•		,	•	^	80
BOSE	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(BOSNICSNE)	OMIND	DOWNWIND	HALFWIDTH	CROSSWIND		AREA	MAXIMUM
1	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-!-	17175	•	280	136711	156739	11700
•	37-	13735	43	413	80033	89343	0096
01	31-	9915	38	259	36458	40513	0009
30		7569	32	100	14204	15376	4500
100	-2-	3370	54	67	3322	3557	2100
900			:		418	840	200
1000			:	0	;		
3000							
2000							
10000							
MAXIMUM DOSE							

Calculated Fallout Contours

(Maximum Biological Dose)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

0 WIND (KNOTS)

.01 YIELD (MEGATONS)

•	3
HALFWIDTH	HALFWIDTH AT DRIGIN
***	***
636	636
576	576
130	130
262	262
52	£.
EFFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	
	•
CROSSWIND MAXIMUM	
U	
1213	1213
1181	1181
6001	6001
*60	•60
783	753
265	265
755	257
EFFECTIVE FALLOUI SHEAK 0.8	
•	•
CROSSWIND	CROSSWIND
HALFWIDTH	HALFWIDTH
2264	2264
2077	2073
1842	1842
1602	1602
1200	1200
416	414

Table 11-8 Supplement to WSEG RM No. 10

8-24-59-2

Table II-9 Supplement to WSEG RM No. 10

.01. YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Control of the cont			1	מונים ושבונים ושבונים וויים				
The continue		2		•	\$	•	1	
Particular Par	3000	***************************************		Centrason	MAYIMINA	ACTUAL	FSTIMATED	RANGE TO
The colonwork of the	200	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	1000	APEA	20000
The color	DENIGENS	ONIMAIT	DOWNWIND	HALFWIDIH	CKOSSWIND	282	19301137	WOW IN THE
The		POSITION	DISTANCE	AI ORIGIN	HALFWIDIN		(100,000)	E-OIM
### 6407 87 972 93229 97240 60240 60240 9323 97240 9324 93239 97240 9323 97240 9324 93239 97240 9324 93239 97240 9324 93239 97240 9324 93240 9324 93239 97240 9324 9324 9324 9324 9324 9324 9324 9324		*	7365	3	151	75906	85416	4500
### 4332 77840 217840 2	•	-44	6407		592	53628	00200	4500
### STORY	•	1	4181	2	447	34239	37840	3200
### STATE OF THE PROPERTY OF T		1	4307	7.	321	20369	21994	3200
### ### ### ### ### ### ### ### ### ##		:			21.6	9866	10037	2100
### FEFCTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALITIUDE 2	3					1104	4440	1200
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAZIMUM	3	ķ	21.30		3 5			3
### FEFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	000	-22	1133	2		2001	1021	8
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAZIMUM	3000	2	79.	•	•	2	**	
### CHEFCTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	10000							
### ### ### #### #####################	30000							
Continue	CKIMUM DOSE							
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAXIMUM	3204							
MAXIMUM			CECECTIVE CALL			ET ALTITIDE		
MAXIMUM MAXIMUM CROSSNIND MAXIMUM ACTUAL ESTINATED			1					
ACTIVATE	-	2	3	•	2	•	1	80
Costrion Dostwinto Halfwidth CROSSWIND AIEA	900	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
The control of the	SEATT CALL !	DNIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
71- 9016 91 1729 1739422 1379422 179424 179429 1794242 9110 9110 9110 9110 9110 9110 9110 911	CHIOCHE	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDIM
11		*	4380	1	1 240	117480	135622	9800
### 1721 4000 51 11 12 11 11 11 11 11 11 11 11 11 11 11				2 2		-		3500
## 2574 6715 771 672 6711 771 771 771 771 771 771 771 771 77	•				2			3
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Calculated Fallout Contours

(Maximum Biological Dose)

.01 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

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	7	ESTIMATED	AREA	(tring)	136901	93219	95240	30304	15861	4378	670							1	ESTIMATED	AREA (E) 1 IDSE)	(certificat)	Z 10363	771.30	36043	13221	3866	600						ESTIMATED	AREA	(ELLIPSE)	320995	194895	97451	42722	12375	2598	174				
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	5	MAXIMUM	CROSSWIND	UNITED IN	9	906	372	262	191	6						KNOTS 100X		s	MAXIMUM	HALFWIDTH			247	374	212	011	•3				KNOTS/1000	,	MAXIMUM	CROSSWIND	HALFWIDTH	1823	350	2	100	271	= 2	S				
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	6	MAXIMUM	DISTANCE		13546	000	9366	200	2047	3062	1339					EFFECTIVE FALLOUT SHEAR O. 4			MAKIMUM	DISTANCE	12364	10382	9152	*609	39.35	2217					EFFECTIVE FALLOUT SHEAR 0.8	3	MAXIMUM	DOWNWIND	DISTANCE	5611	516			1000	25					
	7	MAXIMUM	POSITION	;	- :				- 6	-	-21							MAXIMA	IIPWIND	POSITION	74-	-49	-66	-16	-							2	MAXIMUM	UPWIND	SOLLION				-04	- 62	:=					
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Table 11-10 Supplement to WSEG RM No. 10

8-24-59-2

Table II-11 Supplement to WSEG RM No. 10

2-65-12-8

(Maximum Biological Dose)

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40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

1			EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.2		KNOTS/1000 FT. ALTITUDE		
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### 1370-4	2	\$	12017	25	202		2003	18
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### ### #### #########################	1000	1	1011		=	Ē	**	900
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Total Control	DENTGENS)	ONIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
To 22226 D S S S S S S S S S		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
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Comparison Com								
STATISTICAL	-							
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82- 19679 74 1009 23-379 26-627 84- 7139 64 66 108-88 1179-1 84- 739- 97 383 6174 983-4 10571 80- 1704 32 66 1600	-	-01	19791	•	1301	415583	466305	14000
26- 11100 66 105025 117451 34- 7234 57 353 40113 44414 34- 3545 46 174 9954 10571 20- 1704 32 66 1940	•	4	19676	7.	1000	236376	264237	0096
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Calculated Fallout Contours (Maximum Biological Dose)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS. 80 WIND (KNOTS) .01 YIELD (MEGATONS)

CALCENTICES WAXIMUM WAXIMUM CROSSWIND WAXIMUM	MAXIMUM (UPWIND) (UPW	CROSS MINING CROSS MINING ALON TO T	•	MOTS/1000 A S S S S S S S S S S S S S S S S S S	### AEA AEA AEA AEA AEA AEA AEA AEA AEA		RANGE TO MAXIMUM WIDTH R 2 21 00 1 9 000 0 000 0 000 0 000 0 000 0 000 0 000 0
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14- 21974 22 23 24 25 25 25 25 25 25 25	MACADALIA MACADALIA	44 AMAIN CROSS WINNER HALFN WINE ALLS WINE ALS	• • • • • • • • • • • • • • • • • • • •	NOTS/1000	FI. ALTITUDE ACTION ACT		14080 14080 9600 6000 2100 2100 8 RANGETO MAXIMUM WIDTH
### 9327 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	MAXAMMAN UNMINO POSITION POSIT	FALLOUT SHE WIND HALFN	•	MOTS/1000	98484 13604 13604 13604 13604 16104		14000 0000 0000 2100 2100 8 MAXIMUM WIDTH WIDTH
14- 1979.3 19. 1	MAXIMUM UPWIND POSITION POSITI	FALLOUT SHE AND HALEMAN CROSS NOTE AT OR	• • • • • • • • • • • • • • • • • • • •	NOTS/1000	13604 13604 3274 3274 FT. ALTITUDE ACTIVAL AREA 343503 2213102 1101342 1101342 1101342 1101342 1101342		8 RANGE TO MAXIMUM WIDTH WEDTH
### 9327 41 90 13404 ##################################	PASSIMENT OF THE PASSIM	453 FALLOUT SHE WIND RALP NOCE AT OR	• • • • • • • • • • • • • • • • • • • •	NOTS/1000 S S AXIMUM OSSSWIND H DEPT SEE	13404 3874 FT. ALTITUDE ACTUAL AREA 363503 813102 1101342 1101342 1101342 1101342 1101342 1101342 1101342		2190 2190 RANGETO MAXIMUM WIDTH
14	MAXIMUM OF STRING NO STRIN	VE FALLOUT SHE CROSS WINING HALPS MALE ALCONS AND CROSS	4.	A S A SAIMUM ASSENITO OF SERVICE	FT. ALTITUDE CONTINUE ACTUAL AREA 343-3503 2213102 1101392 41447		RANGE TO MAXIMUM WIDTH WEET
### FFECTIVE FALLOUI SHEAR 0.4 KNOTS/1000 FT. ALTITUDE 2	MAXIMUM OPPHIND POSITION POSITION OFFINION POSIT	VE FALLOUT SHE	•	NOTS/1000 5 5 ASTIMUM OSSWIND PRES PRES PRES PRES PRES PRES PRES PRES	FT. ALTITUDE ACTUAL ACT		RANGE TO MAXIMUM WITHIN WITHIN WITHIN
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FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE	MAXAMAMA POSITION POSITI	VE FALLOUT SHE	•	NOTS/1000	FT. ALTITUDE ACTUAL AREA 362903 213102 101342 41447	""	RANGE TO MAXIMUM WIDTH
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FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	MANAXIMUM UPPHIND POSITION POS						3
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FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	AMAXIMUM UPWIND POSITION POSITION 80- 80- 81- 82- 82-						
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POSITION POSITANCE AT OLIGIN PAREWORLH PAREWOR	9 - 1 - 4 - 1			OSSWIND	AREA	AREA	MAXIMUM
60- 27395 78 1340 9180 9 60- 21846 71 928 277943 9 42- 9071 93 30 3943 1 28- 4374 41 123 9341 1 14- 1795 25 47 1341	ç ç ‡ ‡ ‡ <u>‡</u>			ALFWIDTH		(ELLIPSE)	WIDTH
60- 21846 71 926 277623 3 91- 14596 62 993 114499 1 42- 9071 53 300 39481 29- 4374 41 123 6319 14- 1795 25 47 1341	8 4 4 ¥ 7			340	516106	578080	10200
91- 14596 62 953 114499 42- 4374 41 123 0300 39481 14- 1795 25- 4374 41 123 0319 14- 1795 25- 47 1341	- 4 4 ±		1.1	920	277063	210477	-
42- 9071 83 300 39451 84 12 3019 1341 14- 1795 25 47 1341	\$ £ ±		62	-			
24 637 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	£ ±		83	3 5	1000		
1451 74 25 257 -91	4			3		2003	
			. 1	521	9319	-	218
3000 1000 1000 1000			9		*	1303	1200
1000 1000 1000 1000	8						
10000 30000 AXIMMA DOSE	3000						
30000 MXIMUM DOSE	100001						
MAXIMUM DOSE	30000						
	LAXIMIM DOSE						
	and the same of th						

Table II-12 Supplement to WSEG RM No. 10

8-24-59-2

Table II-13 Supplement to WSEG RM No. 10

.03 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALLOUT SHEAR 0.2	DUT SHEAR 0.		KNOTS/1000 FT. ALTITUDE		
				,	•	7	•
-	2	•				ESTIMATED	RANGE TO
300	MAXIMI IM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	200	
3	MAKE IMOM	-	HICKORY .	CHOSSWIND	AREA	AREA	MAXIMUM
(BOENIGENS)	ON THE PERSON NAMED IN	DICTANCE.	AL DEGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	NONING	DISTANCE	1			-	
	1240-	1221	1355	8	21 304	25.36	
		****	1254	1256	19061	15044	
•				1137	36171	36013	
2	1040-			****	284.90	12984	
2	1000	920	101				
	70.2-	712	900		5002	2000	
3		1	***	***	13265	13460	
8	1					5272	
1000	+1+	220	200	65.			
-							
3							
0000							
30000							
NAME OF PERSONS							
-				L			
		FEFECTIVE FALLOUT SHEAR 0.4	OUT SHEAR 0		KNOTS/ 1000 FT. ALITIUDE		
						2	æ
	,	3	•		•		0130000
	***************************************	MINISTER	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	2000
803	MAK IMUM	The state of the s	1100000	CROSSWIND	AREA	AREA	MAXIMUM
(POENTGENS)	CHAIND	DOWNWIND	HALFWIDTH	The state of the s		(FLLIPSE)	WIDTH
Con Control	POSITION	DISTANCE	AT ORIGIN	HALFWIDIN			
			2424	2020	86784	90106	
-	1			20.00	74.00	75180	
•	100	280	2230	0633			
91		613	266	*	00000		
25		784	1755	1795	45279	2	
			***	1006	30560	30807	
8					14402	18060	
900	1	110	-			2110	
1000	220-	2	•	•			
-							
8							
20000							
MAXIMUM DOSE							
1276							-
	-		01313210		PAINTE THE THE PRINTED		
		EFFECTIVE PAL	EFFECTIVE PALLOUI SHEAR U.B				•
			•	2	۰		0130111
-	***************************************	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	1
200	MAXIMOM	Contract of the contract of th	HIGHNIA	CROSSWIND	AREA	AKEA	MAXIMOM
(BOENTGENS)	ONIMA	Service of the servic	NI CIBO LA	HALFWIDTH		(ELLIPSE)	HIGH
	POSITION	DISTANCE	1000		.84300	1 59033	
-	1132-	1105	4526	964		. 101.4	
	1031-	910	4154	2	76687	2000	
	-	930	3634	3634	966934		
2 5	-004	710	3119	3119	72528	13000	
2				2411	43660	45051	
8		2		-	15051	17105	
300		200	-	-			
9001							
800							
0000							
30000							
MAXIMUM DOCE							

Calculated Fallout Contours

(Maximum Biological Dose)

.03 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

ď	PANGE TO	MAXIMIN	WIDTH	27.00	3		000	4200	3200	2100	900	000				•	OT SCHAME	MAXIMIM	WIDTH	9009	9009	4500	3200	2100	1200	3					RANGE 10	MAXIMUM	HIGH	800	3200	2100	1200	900				
7	FSTIMATED	ARFA	(ELLIPSE)	247801				-	286	11874	3017	211					STIMATED	ARFA	(ELLIPSE)	398512	269265	196571	83105	34141	010		2			1	ESTIMATED	AREA	(ELLIPSE)	200100	100834	34066	6563	1442				
•	ACTION	ABEA		220006	1.50500	7.000		2000	100	200	• 115	107			KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA		352533	236380	137897	74376	30911	1041		2		KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA	-	183863	96965	31719	9070	1366				
5	MAXIMIM	CHUSSWIND	HALFWIDTH	100	1174	1	1					5			1	5	MAXIMIM	CROSSWIND	HALFWIDTH	2462	1952		3	578	320	:	:			\$	MAXIMUM	CROSSWIND	-	2190	2	756	365	¥.				
•	CROSSWIND	HALFWIDTH	AT ORIGIN	•	3	183	2 5	3 :		2 5		2			OUT SHEAR 0.4	•	CROSSWIND	HALFWIDTH	AT ORIGIN		176	91	:	*	105	::			DUT SHEAR 0.8	•	CROSSWIND	HALFWIDTH	NO TO		99	142	•=	7.				
9	MAXIMUM	DOWNWIND	DISTANCE	11063	9564	7896	6316			9000		}			EFFECTIVE FALLOUT SHEAR		MAXIMUM	DOWNWIND	DISTANCE	10156	i	6943	375	3663	1001		1		EFFECTIVE FALLOUT SHEAR		MAXIMUM	DOWNWIND	9218	2040	4386	2776	1556	**				
2	MAXIMUM	UPWIND	POSITION	140-	136-	122-	107-									2	MAXIMUM	OPWIND	POSITION	-947	- 36	121-	-101	•						7	MAXIMUM	OFWIND	No.			-8	-69	-76				
-	3500	(BOENTGENS)		-	•	9	8	100	8	2000	3000	1 0000	30000	3297		-	DOSE	(ROENTGENS)		-	•	2	8	8	8 8	3000	10000	MAXIMUM DOSE 3141		-	3500	(ROENTGENS)	•	9	90	100	300	1900	3000	30000	MAXIMUM DOSE	

Table II-14 Supplement to WSEG RM No. 10

Table II-15 Supplement to WSEG RM No. 10

(Maximum Biological Dose)

.03 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

Control Cont			EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.2		KNOTS/1000 FT. ALTITUDE		
CONTRIBUTE CONSTRUENCY CONSTRUENCY CONTRIBUTE C		2	•	•	\$	•	1	80
Costroin		MANAGE IN	***************************************	ONIMSOUD	MAXIMIM	ACTION	ESTIMATED	RANGE TO
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 1.950.00	3	-	- Company	2	2000	1	4864	MANNING
151	ROENTGENS	ONING	DOWNWIND	HALFWIDTH	CHOSSWIND	AREA	1	WOW!WOW
184 - 1723		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPS)	HIDIM
138	-	-10-1	20281	<u>.</u>	1274	36609	408633	14000
### 1985 157 171 1585 171	•	128-	17281	192	:	247281	272605	11700
### 1940 122 1940 1740	:				2.0			-
### T7833 102 304 31518 3470 2	. :							
### 1929 102 304 31918 2 34740 ##################################	3		-	791		-	0700	8
### ### ##############################	8	+	7203	102	200	33518	34740	4500
### ### ### ### ### ### ##############	88	*	4320	•	3	11692	11900	2100
### ### ##############################	1000	-62	-	*	1	2304	2285	200
### ##################################	-	-	-					
### ### #### #########################								
### ##################################								
### ### ### ### #### #################	20000							
### CONSTRUCTOR SHEAR 0.4 KNOTS/1000 FT. ALITITUDE ### STANDING PT. ALITITUDE ### ST	MXIMUM DOSE							
### ACTION FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE Auxilium	200							
MAXIMUM COSSERING MAXIMUM ACTUAL STIMATED						SCHOOL STATE		
MACHINALIN MACHINALIN MACHINAL MACHI			EFFECTIVE PALL			TI. ALIIIODE		
MAXIMUM MAXIMUM COCSSIND CITUAL STIMATED					5 .	•	1	80
141- 1940	-	***************************************	-	Carriero	MAXIMIN	ACTIVAL	FETIMATED	RANGE TO
141- 18440 167 2139 293316 424399 161- 18440 167 2139 293316 424399 161- 18440 167 1139 1623316 424399 161- 18440 163 164	3	-	MAKE INCOME.	The state of the s	Carrier South	-	4964	MAXIMIM
141	HOENIGENS)	- Carrie	DOWNWIND	HALPWIDIN	HAI EWINTH	5	(4) (1)	HIGH
141- 19440 167 213 253314 254329 157-1		NO INC	DISTANCE	AI ORIGIN	ייייייייייייייייייייייייייייייייייייייי		(1000)	-
1324 15346 154 15106 210471 157 15	-	-14-	18440	167	2 30	553316	624396	11,00
13- 11990 139 1122 1870-6 21209-6 1970-6	•	-	15366	3.	1621	351900	394371	0096
Tr SSE7 123 Tr9 S2266 101665 Tr SSE7 103 404 33107 39541 SSE7 103 404 33107 39541 SSE7 1196 45 45 45 45 SSE7 1196 45 45 45 45 SSE7 1196 45 45 45 SSE7 126 126 126 SSE7 126 126 126 SSE7 126		-	11000	25	1122	187846	212056	1700
### 1982 103 400 33107 35561 ### 201	:	-1.0	****	123	7.50	92864	101665	0000
### 1983 01 201 927 922					*	13107	14841	3200
### CALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE 2							96.00	2100
### CHALOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE AMAXIMUM AMAXIMUM CHOSSWIND AMAXIMUM ALTIMUL CHURS			200	::				900
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE 2	8	-		•	2	77.	8	3
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE ***ANXIMUM*** CROSSWIND*** ACTUAL SETIMATED ***UNWIND*** DOSSWIND*** ALTONOME*** ACTUAL ALTONOME*** ***LIST*** 19911*** ALTONOME*** ACTUAL ALTONOME** ***LIST*** 19911*** ACTUAL ALTONOME*** ***LIST*** ALTONOME**** ACTUAL ALTONOME** ***LIST*** ACTUAL ALTONOME*** ***LIST*** ACTUAL ALTONOME** *	3							
### STATIOUT SHEAR O.8 KNOTS/1000 FT, ALTITUDE ###################################								
### STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE Automation Automation	-							
STRECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE STRANTIBLE S	-							
Hereconstruction Hereconstru		-		-	1			
National			EFFECTIVE FAL			D FI . ALIII UDE		
MAXIMUM MAXIMUM GEOSSMIND MAXIMUM MA	-	2	•	•	•	•	7	
UCONVENIND DONNWIND HALFWORTH CROSSINND AREA AREA	3500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
Market M	(BOBNIGENS)	ONIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
140- 146322 179 25579 6108954 6137997 1 112- 1341 142 2800 493780 282804 112- 28480 282804 112- 28480 1008 103843 112544 1008 103843 112544 1008 103843 112544 1008 1008 103843 112544 1008 100843		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
127- 1341 142 2604 49.780 554.204 115.404 115.404 124.204 1		100-	16532	178	3878	908994	937397	11700
112- 9957 146 1706 234430 246894 1706 234430 246894 1706		187-	1361	162	2806	493780	554206	0000
77- 3941 104 514 1043 115240 77- 3941 104 514 30303 32586 21- 710 49 78 844 6953 777	•		-		1704	279430	20000	9000
77- 3961 106 519 30303 32686 86- 1976 84 6953 7778 81- 710 45 78 646 693	2 5				1	103243	115246	4500
						10101	12006	2100
	8			3 3		4000	1	1200
	8							900
3800 38000 38000	8		110			:	•	}
18000 3,00000 3,00000	3000							
30000 MAXIMUM DOSE	10000							
MAXIMUM DOSE	30000							
	MAXIMUM DOSE							

Table II-16 Supplement to WSEG RM No. 10

8-24-59-2

Calculated Fallout Contours

(Maximum Biological Dose)

.03 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		7.0 W					
-	2	3	•	\$		1	•
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	*******	FELINATED	0.30
(ROFNIGENS)	UPWIND	DOWNWIND	HAISWIDTH	Caccacacacacacacacacacacacacacacacacaca	AC 1041	O STANLES	KANGELO
1	POSITION	DISTANCE	AL OBOTA	CALCOSO IND	AREA	AKEA	MAXIMUM
	-11.	34746		HIGH AND THE	1	(ECCIPSE)	MIDIM
				940	578375	635281	25200
		90000	•	633	370998	402204	19200
2 6	1	53073	2	575	202430	214602	14000
3 3			80-	378	99760	103426	11700
3	8	10711	91	213	36140	34076	9000
86	4	2620	62	Ξ	10339	9650	3200
0001	8	949		:	9101	1215	8
3000							3
0000							
30000							
MAXIMUM DOSE							
		EFFECTIVE FALLOUT SHEAR		0.4 KNOTS/100	KNOTS/1000 FT ALTITUDE		
-	•						
300	***************************************	, , , , , ,	,	•	•	7	80
POENTOENE	OWIND	DOWNWIND	CKOSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
1000000	POSITION	DISTANCE	AL COROLLA	HAISWINE	AREA	AREA	MAXIMUM
	-	23042		-		(ELLIPSE)	WIDIW
		22042	*	1809	839742	94235	22100
	-021	20802	•	1317	503572	556752	1 6500
2 ;	8		2	52	246741	260066	14000
3	-10	13743	100	523	106587	113999	9600
88	\$	1804	2	992	31.16	33088	4500
800		200	~	Ē	1001	7602	2100
3	5	1076		•	575	=	200
10000							
MAXIMUM DOSE 1 394							
		EFFECTIVE FALLOUT SHEAR		0.8 KNOTS/1000	KNOTS/1000 FT. ALTITUDE		
	2					•	
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	ACTUAL	FETIMATED	0.30
ROENTGENS	UPWIND	DOWNWIND DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMIM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	133-	29161	196	2970	1207981	1366410	0000
•	-021	22869	143	2067	646788	746547	9
0	-60-	16039	127	1263	290500	320340	0000
8	1	10286	011	11.	106997	116402	9000
8	\$	5282	•	320	25750	27661	3200
900	*	2340	95	137	4921	5121	1200
000	300	009		2	126	396	800
900							
30000							
MAXIMUM DOSE							

Table II-17 Supplement to WSEG RM No. 10

.1 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.2		KNOIS INDIVIDUE		
	2	•		5	•	7	80
9008	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(BOENTGENS)	ONIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	HIDIM
	273-	16327	-	2806	655182	731652	2 2 8
	282-	14124	316	2270	451836	512650	9600
9	-526-	11640	062	1707	286193	216091	1700
90	-002	9318	262	1243	169673	185875	9009
100	-	6762	228	804	B2277	97304	4300
300	-55	4503	161	476	32480	34657	3200
1000	-19	2375	100	253	7496	9766	1200
3000	2	950	8	911	1401	1003	200
10000							
30000							
MAXIMUM DOSE							
*4.							-
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
	,			5	•	7	00
3000	MAXIMIM	MAXIMIM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
- Secretary	DNIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
CENTOENS	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-272	14972	367	4840	1014722	1156939	0096
•	250-	12730	*	3793	679257	765693	7700
	- 527	10231	311	2701	396792	443620	9000
200		7911	201	1869	213018	238127	4500
100	-	5425	243	**:	10416	100482	3200
300	131-	3351	203	3	31864	35191	2100
1000		1621	101	272	1568	7276	200
3000	-	567	•	•	952	766	200
00001							
30000							
ST76							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
	7	3	•	5	•	1	œ
3500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(ROENTGENS)	ONING	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	-	(ELLIPSE)	HIGH
-	207-	13563	664	9249	1567627	1704703	000
•	245-	11316	421	6292	659966	1142669	1100
2	219-	6100	385	4344	340836	614420	0000
8	-261		344	2837	204087	291962	300
8	- 26	***	562	1947	95365	103639	2100
300	-62	2313	243		27883	100	200
1000	72-	566	3	347	2047	5613	200
3000		•	=	=	-	-	
00001							
30000	•						
MAXIMUM DOSE							
3014							

Calculated Fallout Contours

(Maximum Biological Dose)

.1 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

POCENT CENE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
CENS	POSTING	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
-	259-	29906	307	PALL WIDIH	*******	(BELLIPSE)	WIDTH
•	237-	25636	200		-		8
0	210-	20304	1				0000
30	182-	15734	553	673	228.200	20000	
2	140-	10711	194	200	97879		
2	-011	6524	136	334	38324		
0001	-00	2925	86	162	7842	7404	3 2
3000	350	7117		•	238		38
88					1		
MAXIMUM DOSE 3387							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4	KNOTS/100	KNOTS/1000 FT. ALTITUDE		
	2	•	•	•	•	,	•
pose	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUA	FYTIMATED	OT SOME
(ROENTGENS)	DNIMO	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAX IMI IM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
_	-652	27174	313	21.	1562801	1777701	19200
•	236-	22643	002	31.34	1003653	1126224	140
0	-602	17562	262	2179	947312	609073	11700
2	185-	12983	234	1424	270027	204817	178
80	147-	6237	196	791	90106	104219	4500
2	8	4618	199	904	12162	30194	32
2	ż	1934	8	174	9480	5437	1200
3000							
10000							
MAXIMUM DOSE							
2057							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
-	2	9	•	•	٠	,	•
9500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(ROENTGENS)	DAININD	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	-	2000	NI ORIGINA	HIGHNING		(ELLIPSE)	WIDTH
		000	2		2373681	2663736	16500
,	- 23	1010	213	5071	1418041	1693045	14000
2 9	100	507.00	202	3354	645969	785562	9600
2 2		10238	Ē	2050	303260	335461	\$
3 5	-	6166	212	1044	91204	96336	3200
9		9000	2		22622	24168	2
2 2		200	105	193	3171	3579	ñ
00001							
9							
MAXIMUM DOSE							

Table II-20 Supplement to WSEG RM No. 10

2-65-12-8

Table II-21 Supplement to WSEG RM No. 10

(Maximum Biological Dose)

1 YIELD (MEGATONS)

2 WIND (KNOTS)

.1 YIELD (MEGATONS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

-		•	-			CCTALATER	0130000
200	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMOM	ACTUAL	O LOWING	O JONEY
#OFNTGENS	CHAIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AKEA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDIM
	244-	S4227	284	2116	1645141	1810375	35700
					45.450		20000
• :					270.00		20.00
2	-	2	555	2011	20000	20000	20133
2	1	11067	502		419907	3000	10000
001	126-	16056	167	450	106589	10001	9600
300	-28	8693	124	224	32304	30826	4500
1000	=	2007	2	001	4682	4702	200
3000							
10000							
30000							
ACAS DOSE							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4	1	KNOTS/1000 FT. ALTITUDE		
-	2		•	•	0		
3500	MAX IMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANCETO
ROENTGENS	CAMIND	DOWNWIND DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AKEA	MAKINOM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(4111674)	MIDIN
	245-	48692	500	3498	2394217	2688575	32000
	222-	30515	263	2563	1441617	1599947	25200
		20.18.1	234	1	712647	783163	19200
2.5		20412	204	201	312431	333954	14000
3 8					94287	90476	7700
3 8			**	240	24443	20007	3200
200		100		101	3061	31.70	200
2000		1		:			
1 3000							
30000							
MAXIMUM DOSE							
3		EFFECTIVE FALL	FFECTIVE FALLOUT SHEAR 0.8	8 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
	,				•	7	α
			Captering	***************************************	ACTUAL	FSTIMATED	RANGE TO
200	-	NOW THE WORLD	Charles of the Control of the Contro	CONCERTING	A86A	AREA	MAXIMUM
CENTGENS	NOILING	DISTANCE	AT OFFICIAL	HALFWIDTH		(ELLIPSE)	WIDIM
	246	43071	202	4744	2472778	3906864	28500
	221-	33741	268	9000	1930791	2156273	22100
101	103-	23763	230	2473	1697687	930537	16500
30	-	15365	210	1426	318510	347946	9600
100	125-	♦109	171	999	79519	85388	4500
900		3718	126	297	17203	17720	5100
1000		1122	35	103	1539	1851	200
0000			:				
2000							
0000							
30000							
MAXIMUM DOSE							

Table II-22 Supplement to WSEG RM No. 10

Calculated Fallout Contours

(Maximum Biological Dose)

.1 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALLOUT SHEAR		0.2 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
- 3	2	3		•	•	1	•
200	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTION	FSTIMATED	PANCETO
(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	APFA	ARFA	TO A STATE OF
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	-	(6)11056)	WAN IMUM
	217-	74.74				14441734	MIDIM
		1959	5/3	161	2115188	2306951	48000
,	-613	62601	550	1435	1307352	1416324	39600
2	183-	47295	122	196	683849	721377	28500
9	195-	33533	161	618	318932	326970	22100
001	-==	19720	151	336	106502	104802	11700
300	63-	9749	103	173	28214	26695	000
1000	515	2411		67	2192	2777	900
3000							3
1 0000							
30000							
MAXIMUM DOSE 1423							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
-	2		•				,
9008	MAXIMIM	MAXIMILIA	Carrent			,	00
POFNICENC	DWIND	DOWNWIND	CACSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
	POSITION	DISTANCE	AT DRIGIN	HALFWIDTH	AREA	AREA	MAXIMUM
	-217-	****				(BELLINS)	MIDIM
		10000	***	25	3011676	3360144	43700
•	-212	24168	550	5546	1739302	1921429	35700
0	183-	39051	222	1427	808784	679232	25200
90	152-	26018	161	945	325681	347337	16500
100	-	14054	152	413	19699	91834	7700
300	63-	4564	103	192	20881	2002	3500
1000	228	1635		8	1384	1001	2
3000							3
10000							
30000							
MAXIMUM DOSE							
1379							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8	8 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
-	2	3	•	,			
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMIM	ACTUAL	FUTINATED	0. 30.00
ROENTGENS	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	APFA	2000
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	HIGH.
-	237-	59377	77.6	5080	4356188		-
•	-515-	45537	26.7	3000	00.1000	500000	2000
01	183-	30839	224	2000	4110433	5455613	0000
30	152-	18947		1134	200	23336	19200
100	-	9286			2000	24046	00.1
300	62-	4028		311	1320	0000	0000
1000	284	•			200	2000	20012
3000				0	23.	1111	200
0000							
0000							
MAXIMIM DOSE							
3500							

Table 11-23 Supplement to WSEG RM No. 10

(Maximum Biological Dose)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

0 WIND (KNOTS)

.3 YIELD (MEGATONS)

1 2 3 41 41 41 41 41 41 41	- 350		-	EFFECTIVE PALECUL SPEAK U.A		KNOIS/ 1000 FIL. ALIII UDE		
### MAXIMUM MAXIMUM ACTUMA ACTUMA MAXIMUM MAXIMUM MAXIMUM ACTUMA	BOSE	~		•	5	•	7	00
Marking Donavaling Alchwigh According Alchwigh According Accordi		MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
Committee	CONTGENS	ONIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
3397 3309 3942 3962 443797 447498 3397 3049 304		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
1316- 2865 3861 3861 3861 3861 386272 3864		3415-	24.10	1942	1982	461707	447408	
### STATES OF THE PROPERTY OF			-	2000				3
1316	•		1000	2000	200	1000	212000	200
### STATES 1849 2500 250	2	2000	5962	3324	3342	320562	310744	200
1316	2	100	6007	1862	6862	926962	525832	000
### ### ##############################	8	2348-	2280	5560	5260	187635	186093	
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE ***AXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL (STIMATED LAWRIND)** ***BACK STICK AT ORIGIN HALFWIDTH ACTUAL (STIMATED LAWRIND)** ***BACK STICK AT ORIGIN HALFWIDTH ACTUAL (STIMATED LAWRIND)** ***BACK STICK AT ORIGIN HALFWIDTH ACTUAL ACTUAL (STIMATED LAWRIND)** ***BACK SATE STOR STOR OSTOR OS	300	1926-	1991	2100	5100	125273	124570	
### ### ##############################	1000	1316-	1263	1435	1435	57069	56155	
### CONSTRING CONSTRING CONSTRING CONTRICTOR CONT	3000							
### ### ##############################	00001							
######################################	00001							
### ### ##############################	AXIMUM DOSE							
### STATITUDE 1	2874							
### ACTIVAL COCKNIND MAXIMUM ACTIVAL CITIVAL OCCUPANTO COCKNIND ACTIVAL ACTIVA					1			
Continue			EFFECTIVE FALL	OUT SHEAR 0.4		H. ALTITUDE		
Actividity Activity Activit		2		•	,	•	7	*
Control	5000	MAXIMIM	MAXIMIM	CBOSSWIND	MAXIMIM	ACTUAL	FYTIMATED	PANGE TO
Accordance	-	Comme	The state of the s	The state of the s	TO SOUTH TO	1000	4964	1
### Comparison of the comparis	DENIGENS	O CALLON	DOWNWIND	HALFWIDTH	CKCSSWIND	AREA	AKEA	MAXIMUM
2400- 31424 7070 76695 765817 2400- 31424 7070 76695 765817 2416- 2417 5179 5179 52745 523412 2418- 2410 4015 75241 522412 2418- 2410 4015 75241 522413 2418- 2410 4015 75241 52741 60141 2418- 2410 1771 1713 1713 167941 167995 2418- 760 17713 17713 167941 167995 2418- 760 17713 17713 42774 43067 2418- 760 17713 17713 42774 43067 2418- 760 17713 17713 17714 67714 2418- 760 17713 17714 67714 1141120 2418- 2410 1770 646410 66571 1770 66510 2518- 2610 1770 1770 66510 66510 66510 2518- 275 275 7751 7751 41677		NO INCO	DISTANCE	A CRICIN	HALTWICH		(SCLILLS)	MICHA
2809- 21189 65199 651990 654202 2807- 2817 5897 5897 522813 2804- 2478 5179 5179 409411 40831 1638- 1567 3337 3337 107941 107941 107961 2804- 2478 415 7173 1713 1774 43067 2007- 2106 415 7173 1713 42774 43067 2007- 2106 7173 1713 42774 43067 2007- 2106 7173 1713 42774 43067 2007- 2106 71797 117974 1141129 2008- 2206 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129 2018- 2216 12007 12007 117974 1141129		3470-	3426	0101	7070	766985	765617	
### 22815 252813	•	3200-	3186	6219	6219	653996	654202	
### 173 1713 1714 408341		2879-	7817	5887	5847	828218	FIAL S	
### ### ### #### #####################			-					
### 1713 1713 1714 42067 (2001) ##################################	3							
### ### ### ### #### #################	3		9019		000	400.7	515007	
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ANATHRAM ALSWIDTH CROSSWIND AREA AREA AREA STORICH TO STITUAL STI	3		1001	1999	200		200	
### ### ##############################	1000	-	160	1713	1713	45774	43067	
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE ***A	3000							
### ##################################	1 0000							
### STATIOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTINATED	30000							
##ACHINE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE 3	AXIMUM DOSE							
### ##################################	1536							
MAXIMUM MAXIMUM ACTUAL ESTIMATED			EFFECTIVE FALL	OUT SHEAR 0.8	KNOTS/1000	FT. ALTITUDE		
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL STIMATED CROSSWIND DESCRIPTOR ALCOHOLD ASSA (LLUFS) 3301- 3236 1326 13264 13264 13264 13264 13264 132642 1370185 3022- 2686 12007 12007 12007 1806610 869201 2314- 2276 9254 9254 66233 66233 667248 11255- 1239 5020 5020 190256 190717		,			,	•	, ,	œ
Unwind DONANIND HALFWOIM (ROSSWIND AREA (LLUFS)) POSITION DISTANCE A CRISCHIND HALFWOIM (LLUFS)) 3307-3269 13266 13269 113744 1141129 3307-2696 10700 10700 666610 669301 2314-2276 9254 9254 662343 667246 1839-1785 7331 7331 416477 418346 1239-3260 5020 190296 190777	900	MAXIMIM	MAXIMIN	CBOSSWIND	****	ACTION	FETIMATED	PANGE TO
POSITION DISTANCE AT ORIGIN (ALEWIDIN (CLUES) 3301- 2286 13286 13284 13394263 1370185 3022- 2886 12007 12007 137019 689301 2314- 2216 9224 9224 9224 68731 416170 68810 689301 1235- 1239 5020 5020 190296 190717		CHIMA	CALMIN NO.	1000000	Carriero	ABEA	ABEA	MIMIM
3307- 3236 13226 13224 1354263 1370185 3022- 2986 12067 112744 1141129 2475- 2616 10700 10700 888610 889501 2314- 2276 9254 9254 662343 667246 1836- 1785 7351 7351 416471 418346 1235- 1239 5020 5020 190256 196717	(CANDING)	POSITION	DISTANCE	AT OFIGIN	HALFWIDTH		(ELLIPSE)	HIGH
302- 2566 12067 12067 1137474 2675- 2566 12067 12067 1137474 2216 2216 2216 2216 2216 12067 12067 1137474 12067 12			-					
2072- 2986 12067 12067 1131474 2072- 2616 10700 10700 868610 2314- 2276 9254 9254 662343 1836- 1765 7351 7351 416471 1239- 5020 5020 190256		3307-	3536	13226	1 3226	1354561	1370185	
2015- 2016 10700 10700 008610 2314- 2276 9254 9254 06243 1036- 1785 7751 7751 416471 1285- 1239 5020 5020 190256	•	3022-	2988	12087	12087	1137474	1141129	
2314- 2276 9254 9254 66243 1836- 1785 7351 7351 416471 1255- 1239 5020 5020 190256	01	-6192	2616	10700	10700	988610	869301	
1295- 1299 5020 5020 190256	30	-9162	2276	9254	9254	662343	667248	
1295 5020 19029	100	1838-	1785	7351	7351	416471	418346	
	300	1255-	1239	5020	5020	190256	196717	
3000 100000 100000 100000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 1	1000							
1 00000	3000							
10000	2000							
DODOG C	2000							
MACHINIM DOSE	20000							
	AXIMUM DOSE							

Table 11-24 Supplement to WSEG RM No. 10

9-24-59-2

Calculated Fallout Contours

(Maximum Biological Dose)

.3 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

(ROENTGENS) WAXIMUM CROSSWIND 1 444 21938 495 10 370 119948 9513 10 281 - 95119 1998 10 281 - 95119 1998 1000 162 - 3660 256 10000 162 - 3660 256 10000 162 - 3660 256 10000 162 - 3660 256 10000 162 - 3660 256 10000 162 - 3660 256 1000 162 - 3660 266 1000 162 - 3660 266 1000 162 - 3660 266 1000 162 - 3660 266 1000 162 - 3660 266 1000 162 - 3660 162				
MAXIMUM MAXIMUM CROSSNIND MAXIMUM MAXIMUM CROSSNIND		•	1	80
######################################		ACTUAL	ESTIMATED	RANGE 10
### POSITION POSITION POSITION ### 21938 398 ### 21938 ### 219	CROSSWIND	AREA	AREA	MAXIMUM
### 21938 568 410- 19066 531 370- 118937 443 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 389 281- 9513 899	HALFWIDTH		(ELLIPSE)	WIDTH
## 110-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	4696	1468794	1650921	14000
1370- 118937 4487 281- 9513 395 230- 9513 395 230- 9513 395 230- 9513 395 230- 3560 256 152- 3560 256 152- 3560 256 152- 3560 256 153- 407- 1784 1784 626 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5186 226- 11001 5187 210- 11010 5181	3783	1040138	1157499	11700
### 1930	2877	169299	732450	9600
EFFECTIVE FALLOUT SHEAR AMAXIMAIN CONSTITUTOR ALCHOOL SHEAR AMAXIMAIN CONSTITUTOR ALCHOOL SHEAR AND STATE STATE SHEAR AND	2133	405509	440920	7700
## Carry 1922 1932 1932 1932 1932 1933 1933 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1934 1935	1430	204666	220008	0009
162- 360 256 157 167 157 1657 157	995	92446	94566	4500
### FFECTIVE FALLOUS SHEAR 137 1	482	29161	29058	2100
FFECTIVE FALLOUS SHEAR 2 3 4	549	6682	6771	200
### FFECTIVE FALLOUT SHEAR 2				1
### FFECTIVE FALLOUT SHEAR C				
### FECTIVE FALLOUT SHEAR				
MAXIMUM MAXIMUM CROSSWIND PUSITION A107- A107- A108- A		KNOTS/1000 FT. ALTITUDE		
MAKMAMA MAKMAMA GEOSMIND POSITION DISTANCE ALGENIND POSITION DISTANCE ALGENIND POSITION DISTANCE ALGENIND POSITION DISTANCE ALGENIND POSITION DISTANCE ALGENING 2 25 - 11007 486 225 - 11007 535 225 - 11007 486 225 - 1003 160 225 - 1003 160 225 - 1003 160 226 - 1003 160 226 - 1003 161 226 - 1003 161 226 - 1003 161 226 - 1003 161 226 - 1003 161 226 - 1003 161 227 - 1003 161 228 - 1003 161 229 - 1003 161 220 -	\$	•	7	•
DONAWIND DANAWIND MAKINDIN	MAXIMUM	ACTUAL	FSTIMATED	RANGE TO
POSITION	-	AREA	AREA	MAXIMUM
### ### ### ### ### ### ### ### ### ##			(ELLIPSE)	WIDTH
407- 17269 585 226- 11007 462 227- 7749 426 228- 5050 3062 155- 1053 160 AAXIMIM MAXIMIM HERPHITH A32- 1154 396- 115417 626 315- 115417 626 24- 6005 693 315- 115417 626 24- 6005 693 315- 115417 626 24- 6005 693 315- 1156	8070	2290296	2613007	14000
285- 110015 535 287- 7749 426 283- 9003 306 195- 2557 276 67- 1053 160 284- 1053 160 WASHING DOWNING ALKINGTH POSITION DISTANCE 11510 POSITION DISTANCE 115106 625 315- 11510 625	6386	1556139	1772963	11700
225- 770- 466 272- 770- 466 225- 5009 302 155- 1053 100 7	4680	911807	1057252	9600
227- 7749 4-26 225- 5059 362 155- 2557 276 07- 1053 160 MAXIMIM CROSWIND UPWIND DOWNWIND MAXIMIM ACTOSWIND UPWIND DOWNWIND MAXIMIM ACTOSWIND 05010- 11316 6-26 315- 11316 6-26 24- 6005 543 210- 1150 6-26 210- 1150 6-26 210- 1150 6-26 210- 1150 6-26 210- 1150 6-26 210- 1150 6-26 210- 1150 6-26 210- 1150- 1150 210- 1150 210- 115	3298	528862	587099	1700
1854 2505 302 302 302 302 302 302 302 302 303 30	2064	230595	260192	4500
155- 2557 276 1053 100	1209	95146	99295	3200
### FEFECTIVE FALLOUT SHEAR 2 3 4 4 4 4 4 4 4 4 4	185	24058	24752	1200
EFFECTIVE FALLOUT SHEAR 2	273	4348	4809	200
EFFECTIVE FALLOUT SHEAR AMAZIMUM MAXIMUM CROSSWIND UPWIND DOWNWIND NALIWOOH POSITION DISTANCE BIS 372 18305 692 3150 605 543 284 6005 543 2105 1155 645 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759 315 759				
Company Comp				
### ##################################				
MAXIMUM MAXIMUM UPWIND DOWNWIND POSTANCE 13.4 13.4 13.5	0.8 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
MAXIMUM MAXIMUM POSITION DOWNWIND POSITION DOWNWIND DOWN POSITION DOWN P	\$	•	7	80
UPWIND DOSMWIND POSTANCE 422-18342 396-18417 397-18136 397-284-6005 210-195-1618 37-554		ACTUAL	ESTIMATED	RANGE TO
432- 18342 432- 18342 396- 18417 315- 12136 315- 6005 210- 3550 135- 1618		AREA	AREA	MAXIMUM
432- 18462 1964- 15417 197- 12136 115- 6065 210- 1956 135- 1618	HALFWIDIH		(ELLIPSE)	WIDTH
396- 15417 315- 12136 315- 9147 264- 9605 210- 3550 135- 1618	13894	3581324	4101687	11700
357- 12.36 315- 12.36 264- 6005 210- 350 135- 16.18	10664	2326443	2649072	9600
315- 9147 244- 6005 210- 3950 135- 1618 37- 554	7550	1295945	1481618	7700
264- 6005 210- 3550 135- 1618 37- 554	2002	670096	757282	9000
210- 3550 135- 1618 37- 554	5896	247515	285175	3200
135- 1618	1596	85231	94252	2100
37- 554	649	18129	17862	200
10000	153	1712	1417	200
20000				
00005				
MAXIMUM DOSE				
3979				

Table II-25 Supplement to WSEG RM No. 10

Calculated Fallout Contours (Maximum Biological Dose) 3 yield (MEGATONS) 20 WIND (KNOTS)

(SNO	
(MEGAT	
YIELD	
6.	

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE FALLOUT SHEAR		2 KNOTS/100	0.2 KNOTS/1000 FT. ALTITUDE		
-	7	•		\$	•	1	8
3500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANGE IO
(ROENTGENS)	DAMIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	(ELLIPSE)	WIDTH
	Sollica	DISTANCE	1	-		2418430	25.200
-	451-	40302	803	480	030000		23.00
•	-986-	34477	•	3240	201410		19200
01	-646	27950	2	7967	2000	ACA27A	14000
30	303-	21910	200	201	-	10000	0090
8	252-	19369	250	201	10000	01100	0009
00	100	646	513	200	000.00	******	20016
8	-611	4 793	196		44563	1000	
8	-	1676	90	*	2000	160	8
10000							
8							
S207							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.4		KNOTS/1000 FT. ALTITUDE		
					•	1	00
- 20	7		CBOSSWIND	MAXIMIM	ACTUAL	ESTIMATED	RANGE TO
200	- Marting	POWNWIND	HAIFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
(BOENTGENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-000	24742	414	4947	1589639	4055466	25200
- (1000	482	4127	2138714	2614049	19200
7 :		24200	7 7	3770	1313711	1450101	16500
2 5			300	200	678482	745908	11700
3 8	2000	1304	330	1484	264824	287059	1700
3 8	1961	1100	280	802	01699	92444	4500
38		3313			18056	18499	2100
3 8		1083	8	193	2156	2624	200
00							
30000							
MAXIMUM DOSE							
9060							
		EFFECTIVE FALLOUT SHEAR		0.8 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
	,	•	•	8	٠	1	
3500	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
(ROENTGENS)	ONIMA	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(CELLIFICE)	1000
	416-	33071	976	11179	5450956	6196220	22100
•	301-	27126	534	8105	3356775	3761193	19200
0	340-	20565	485	5885	1727878	1932574	14000
8	298-	14720	435	3751	794846	884894	0006
001	245-	8930	373	1997	265036	287863	9000
300	188-	*00*	306	*66	72986	17949	3200
000	108-	1966	208	412	12864	13419	1200
000	263	36		63	379	1075	200
000							
30000							
MAXIMUM DOSE							

Calculated Fallout Contours

(Maximum Biological Dose)

.3 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		THE CHARLES	EFFECTIVE FALLOUI SHEAK 0.2		MITCH STORE STORE	7	
	2		,	5	*	7	4
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	AAA Y IAAI IAA		201111111	
(ROENTGENS)	UPWIND	DOWNWIND	TAN ENDER	MUMINAM	ACTUAL	ESTIMATED	RANGE TO
1	POSITION	ONIMALIAN	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
	NOTIFICA	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
-	399-	73333	404	35.45	3727486	410404	
3	363-	41526	424	2000	3163433	4100208	48000
10	320-	49350	896	*613	2440406	2657598	39600
30	274-	00000	200	1831	1374950	1480792	32000
001		31505	345	1314	718423	755468	22100
200	-613	23670	286	775	287635	290637	14000
000	157-	13604	224	429	96352	92647	7700
1000	63-	5526	124	206	19080	18040	000
3000	478	419				000	2100
1 0000				2	90	215	200
30000							
MAXIMUM DOSE							
3079							
		EFFECTIVE FALLOUT SHEAR		0.4 KNOTS/10	KNOTS/1000 FT ALTITUDE		
-	2						
DOSE	MAXIMIM		- Canada	•	•	7	00
POENTGENE	UNIMOI	MAXIMOM DO TO	CKOSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE TO
(1000000000000000000000000000000000000	POSITION	DISTANCE	HALFWIDTH AT OBIO IN	CROSSWIND	AREA	AREA	MAXIMUM
	000	201100	NI ORIGIN	HIGHAN		(ELLIPSE)	WIDTH
	-660	BC 100	808	2006	5514121	6172621	43700
	-505	24540	432	4402	3394188	3775232	35700
2 6	320-	41108	388	2952	1754480	1921184	25200
2	-575	29405	344	1887	813166	879820	19200
001	-612	17796	288	1012	274568	286505	11700
300	156-	1696	555	511	26777	77502	9000
1000	-29	3723	124	215	13580	12794	1200
3000							
10000							
30000							
MAXIMUM DOSE							
		EFFECTIVE FALLOUT SHEAR		0.8 KNOTS/100	KNOTS/1000 FT. ALTITUDE		
	2	3			,		
DOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIM	4071141	,	00
(ROENTGENS)	UPWIND	DOWNWIND	HALFWIDTH	CONTRACTOR	APEA	ESTIMATED	KANGE TO
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	Care	(FILIPSE)	MAXIMUM
-	398-	58718	483	5080	25.000	1	HIO!
e.	362-	46758	44.5	7014	607 5000	9103077	39600
01	318-	33774	401	*****	********	2021416	32000
30	-274-	22637	355	2484	8/46/17	2391796	22100
100	-112	12478	206		504400	954938	14000
300	154-	6105	231	200	615513	261615	1700
1000	-89	5166	154	800	16690	59774	3200
3000				252	8040	8229	1200
1 0000							
30000							
MAXIMUM DOSE							

2-65-12-8

Supplement to WSEG RM No. 10 Table 11-26

8-24-59-2

Table II-27 Supplement to WSEG RM No. 10

(Maximum Biological Dose)

.3 YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

							*
-	2			•		SCTIMATED	BANGE 10
5000	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	College Co.	
-	Citimon	CHIMMANON	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMOM
ROENTGENS	NOTION OF	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	-				4017104	4278117	67200
-	386-	103231	•	2533	-		27300
•	349-	00000	0 .	2450	3054506	1311001	2000
	304-	65874	366	1661	1657219	1756253	9010
	28.8-	47942	321	1112	814983	842133	28500
3			242	424	201302	294251	16500
001	-	2000	300		-	AA JA 2	7700
300	130-	15821	**	155			1300
1000	-61	5422	62	156	13634	13347	200
3000							
10000							
20000							
20000							
MAXIMUM DOSE							
		FEFECTIVE FALLOUT SHEAR 0.4	OLIT SHEAR 0		KNOTS/1000 FT. ALTITUDE		
		-				1	α
	2			~	•		CTEDIANO
9000	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANGELO
-	GMINGI	GNIMMMOO	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
(NOENIGENS)	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDIM
				*****	0111104	7783258	62100
-	386-	92679	•	2354	01000		48000
•	-646	74756		3863	4145208	677086	0000
	304-	55134	367	2535	2024848	2507182	2000
	258-	37990	322	1550	904418	931532	00267
30.	108-	21684	263	797	267023	273799	14000
3		44.00	-00	390	69303	61449	0009
200		320		051	9521	9275	1200
000		3					
3000							
10000							
30000							
MAXIMUM DOSE							
2010		at and an article and article article and article article and article article article and article article article article and article		OLYSTOTA' O'O	PAICTE / IONO ET ALTITIDE		
		בעברוואבעשו					0
•	2	•	•	2	•	,	0.30
9000	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	MAXIMIM
(ROENTGENS)	ONIMAN	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	(4) (1)	WIDTH
	POSITION	DISTANCE	AT ORIGIN	HALPWIDIN			\$2500
	386-	81500	+2+	0120	10022000	1151050	-
	340-	63557	417	6019	5496845	6102682	20000
	-901	44350	372	3729	2370115	2615845	20007
2 5	247-	28405	326	2111	981841	950287	16500
3 5	-70.	14741	267	166	222006	234053	0096
901		****	101	•	49089	48721	4500
300	100			140	5228	5487	200
0001	4	1017	8	3			
3000							
10000							
30000							

Table II-28 Supplement to WSEG RM No. 10

Calculated Fallout Contours

(Maximum Biological Dose)

1 YIELD (MEGATONS)

0 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

	α	OT SOMA	2000	WIDTH		1000	1000	0001	1000									œ	KANGE TO	MAXIMUM												•	RANGE TO	MAXIMUM	WIDTH											
	7	FSTIMATED	4864	(ELLIPSE)		86466	99/979	093670	11100	2000	97.50	4000						,	ESTIMATED	(ELLIPSE)	2210141	1300700	1150013	912249	660975	441654	188942					7	ESTIMATED	AREA	(ELLIPSE)	2884863	2455743	1966200	1509332	1029915	592315	112483				
KNOIS/ 1000 FIL. ALIII UDE	9	ACTUAL	1000	5	41.020		0,000	6720163	23505	107304	170048	48068				KNOTS/1000 FT. ALTITUDE		•	ACTUAL	445	1621630	1390655	1115993	912680	662670	434750	187863				KNOTS/1000 FT. ALTITUDE	•	ACTUAL	AREA		2877423	2423614	1953040	1505862	1023754	582823	104083				
	8	MAXIMIM	CHINDSON	HALFWIDTH	5003	0000	4007		9000	3724	2000	1363							MAKINOM CALLAND	HALFWIDTH	10304	9557	9664	1761	6632	5366	3580				KNOTS/1000	\$	MAXIMUM	CROSSWIND	HALFWIDTH	19255	17724	15877	1 3980	11549	8760	3832				
¥ 0.2		9		z												4.0		-													8.0															
Sans Inc.	•	CROSSWIND	HAIFWIOTH	AT ORIGIN	A. A.	200	4040	4400	30.00	1324	2499	1363				OUT SHEAF		Contractor	TALE CALL	AT ORIGIN	10304	9557	8664	1921	6632	5399	3590				DUT SHEAR	•	CROSSWIND	HALFWIDTH	AT ORIGIN	19255	17724	15877	13980	11549	8760	3632				
EFFECTIVE PALLOUI SHEAK	3	MAXIMUM	DOWNWIND	DISTANCE	2066	47.74	4371	3943	3363	2834	2121	1110				EFFECTIVE FALLOUT SHEAR		THE NAME OF THE PARTY OF THE PA	DOWNWIND	DISTANCE	4913	4580	4215	3689	3103	5569	1595				EFFECTIVE FALLOUT SHEAR	3	MAXIMUM	DOWNWIND	DISTANCE	4721	4 387	3912	3376	2000	5113	2				
	2	MAXIMUM	OPWIND	POSITION	5228-	4677-	4461-	4045-	3532-	2988-	2246-	1225-					•	MAXIMIM	UPWIND	POSITION	5036-	-11-	4235-	3794-	3242-	2639-	1755-					2	MAXIMUM	DWIND	NOTIFICA	-/ 104		-2165	-1666	-6007	-2612	-454				
	-	BOSE	(ROENTGENS)		-	•	01	30	100	300	1000	3000	10000	MAXIMUM DOSE	1777		,	9008	ROFNIGENS	(2000)	-	c	10	30	001	300	0001	3000	30000	MAXIMUM DOSE 2597		-	DOSE	(ROENTGENS)			,	2 2	200	200	000	0000	10000	30000	AVIANILA POSE	MAXIMUM DOSE

Table 11-29 Supplement to WSEG RM No. 10

1 YIELD (MEGATONS)

10 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

,	3		•	2	•	1	80
200	***************************************	***************************************	CHOSSWIND	MAXIMIM	ACTUAL	ESTIMATED	RANGE 10
200	MAXIMUM	MAXIMUM	Contract of the Contract of th	MONITOR OF THE PERSON OF THE P	4000	AREA	MAXIMIM
(ROENIGENS)	CHAIND	CANANA	HALFWIDIN	CKOSSWIND	NA CAR	19561 197	71017
	POSITION	DISTANCE	AT ORIGIN	HALFWIDIN		(655) 25)	u loim
	725-	28744	962	7530	3066239	3485715	19200
	474-	25191	903	6143	2236068	2496716	15400
	41.3	21219	633	4717	1480535	1617575	15400
2.5	442-	17528	763	3639	943667	1033570	12000
			679	26.36	514330	554400	0006
200		0740	108		254180	268669	9400
200	-	2000		020	94110	01684	2400
00001	304	0846	0/4	454			
3000	188-	3109	345	225	64017	160/3	8
1 0000							
30000							
MAXIMUM DOSE							
		FFFECTIVE FALL	FFECTIVE FALLOUT SHEAR 0.4	KNOTS/100	KNOTS/1000 FT. ALTITUDE		
							•
-	2	,	•	•	•	,	0.00
BOSE	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	KANGELO
(ROENTGENS)	ONING	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AKEA	MAXIMOM
	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	MIGIN
	710-	26573	1087	12876	4858186	5520083	19200
		2200A	0101	10467	3385592	3691008	15400
. :			67.0	7880	2120634	2425912	12000
2 9			840	5730	1262313	1425269	0006
2	-	200	141	3764	652819	693442	00+9
3	1000	-	940	2775	275208	298415	4200
900	1000		428	1236	80093	89862	2400
200	-343	2555			10713	21838	1000
3000	115-	-807		2			
00000							
MAXIMIM DOSE							
8422							
		EFFECTIVE FALLOUT SHEAR	OUT SHEAR 0.8		KNOTS/1000 FT. ALTITUDE		
-	2	3		s	•	7	80
9000	MAXIMIM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGE 10
POENTCENE !	UPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
1	POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	705-	24341	1476	22569	1659799	8878967	00001
	-169	20715	1380	17435	5167069	5851688	12000
	-886	16664	1266	12772	3054806	3465184	1 2000
30	926-	12992	1152	**06	1687376	1920497	0006
100	-644	9035	1013	5529	699770	823682	9400
300	368-	5779	867	3111	278817	300379	4200
1000	-092	2927	672	1433	69985	11721	900
3000	128-	1214	421	201	11490	10560	1000
10000							
30000							
MAXIMIM DOSE							

Calculated Fallout Contours

(Maximum Biological Dose)

1 YIELD (MEGATONS)

20 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

### MAXIMUM CROSSWIND MAXIMUM KCTUM ESTIMPTED POWNWIND PHAEMDER CROSSWIND MAXIMUM KCTUM ESTIMPTED POWNWIND PHAEMDER CROSSWIND AREA (ELLIPSE) 2000-6 200-200-7 200-7 133000-6 200-7 200-7 133000-7 200-7 133000-7 200-7 133000-7 200-7 133000-7 2		•						
Committee	300	7	e	•	\$	•	7	œ
COSTRICTOR CONTINUED CROSSWIND ASEA CALLES	-	MUMINAM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	ESTIMATED	PANGE TO
Column	(KOENICENS)	POSITION	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMUM
### Separation of the control of the			1	NO TO	HALFWIDTH		(ELLIPSE)	WIDTH
STALL		-990	53076	936	6592	5023434	5567392	33000
STATE STAT		-000	1065	191	9599	3520047	3673581	28000
11	2 6	574-	37879	716	4020	2224865	2428247	23400
### 1321	2 .	-110	30451	651	2967	1339010	1443070	19200
134	200	- 67	22337	571	1942	667254	694516	15400
FFECTIVE FALLOUT SHEAR	2000	-+00	15213	487	1233	294235	301564	0000
113-	0001	-/ 57	8375	373	8	91556	89508	4200
### FFECTIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE AMAXIMUM MAXIMUM CROSSWIND	0000	-611	3679	224	350	20637	20844	1000
FFECTIVE FALLOUT SHEAR	30000							
### CROSSWIND MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTIMATED FORTHWIND POWNWIND PARTY ORGAN ACTUAL CROSSWIND MAXIMUM ACTUAL ESTIMATED FORTHWIND POWNWIND PARTY ACTUAL CROSSWIND ACTU	MAXIMUM DOSE							
### CREATIVE FALLOUT SHEAR 0.4 KNOTS/1000 FT. ALTITUDE MAXIMUM	7469							
MAXIMUM MAXIMUM CAOSSWIND MAXIMUM AREA MILES			EFFECTIVE FALL	OUT SHEAR 0.4	1	DO FT. ALTITUD		
MAXIMUM MAXI	_	2	3	•				
OFFICIAL	DOSE	MAXIMUM	MAXIMUM	CROSSWIND	***************************************		,	90
Control	(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CHOSSWIND	ACTUAL ABEA	ESTIMATED	RANGE 10
6464 44707 870 11296 7730032 8754270 634 6450 634 6450 634 6450 634 6450 634 6450 634 6450 634 6450 634 6450 6350 645 6450 645 645 645 645 645 645 645 645 645 645		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH	5	(FILIDSE)	MAXIMUM
## 1464	-	-989	48707	870	11206	2734032	9744974	TION.
STI	c	634-	41464	813	9869	5201071	0.000	33000
1859- 26030 676 6912 7710750 6851012 73910150 7391012 7391	2	-176	33407	745	2	3046012	3420013	00000
## 18157 593 2811 774022 820041 242	30	-605	26030	676	4512	1710769	1881012	1500
242 - 5996	100	435-	18157	593	2811	754022	820661	2000
107- 2436 383 743 74557 73561 15116 15	300	351-	11594	204	1621	286867	304178	000
FFECTIVE FALLOUT SHEAR	1000	245-	9689	385	763	74587	73561	2400
EFFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT, ALTITUDE	3000	107-	2436	226	378	12912	15116	1000
FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE	30000							
### FFECTIVE FALLOUT SHEAR 0.8 KNOTS/1000 FT. ALTITUDE MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTIMATED	AAXIMUM DOSE							
Control of the cont	1209							
MAXIMUM MAXIMUM CROSSWIND MAXIMUM ACTUAL ESTINATED			EFFECTIVE FALL			O FT. ALTITUD		
MAXIMUM MAXIMUM MAXIMUM ACTUAL ESTIMATED	-	2	3		•	*		
POSITION DOSANAMIND NALEWORN CROSSINNO AREA (18.10F.E) 640-44201 994 19300 11654339 13606035 627-3646 927 1479 7666043 564-2860 444 19300 11654339 13606035 564-2860 444 1930 13606035 564-2860 444 1930 13606035 564-2860 444 1930 13606035 564-2860 4420 13660 13660 1366043 564-2860 4420 13660 13660 13660 13660 645-370 4420 1466 226 26346 26410	900	MAXIMUM	MAXIMUM	CROSSWIND	MAXIMUM	ACTUAL	FETTMATED	8
DOSTRON DOSTRONE ALORIGIN HALFWORTH RELIFED	(ROENTGENS)	OPWIND	DOWNWIND	HALFWIDTH	CROSSWIND	AREA	ARFA	NAVIALIE IN
640- 64201 994 19300 11654339 13905105 627- 36806 927 14796 766795 696043 564- 28806 846 10341 4195781 4170832 565- 21300 766 1605 2134640 233844 422- 14039 070 3960 215960 904090 228- 379- 424 941 35669 58414 64- 1466 220 364 8454 8860		POSITION	DISTANCE	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
647- 36866 927 14758 7667965 869605 564- 28806 942 15041 419738 477887 560- 21530 768 6605 2134969 27354846 235- 31785 428- 31785 428- 3148 7667965 56871 85689 59871 85689 59871 8860	-	-089	44201	866	19300	011654110	305308	-
564- 28806 848 10341 4195781 4770573 500- 21530 768 6605 213469 259484 139- 8231 500 7080 81590 904090 228- 1795 424 941 55869 58414 84- 1466 226 364 8454 8860	c	627-	36886	927	14758	766796	940404	00000
200- 21330 768 6805 2134969 2354846 339- 8253 566 2092 263548 282414 228- 3795 424 941 55869 59471 84- 1466 226 364 8454 8860	0	- 1995	28806	848	10301	4105781	477084	00000
42- 14039 670 3980 815960 904090 339- 8253 566 2092 263548 2824,4 228- 3795 424 941 55869 59471 84- 1466 226 364 8454 8860	30	-005	21530	768	6805	2134969	275000	0000
339- 8253 366 2002 263548 28241 228- 3795 424 941 35869 59471 84- 1466 226 364 8654 8660	001	455-	14039	670	3980	815960	000400	200
228- 3795 424 941 55869 5947 84- 1466 226 364 8454 8860	300	336-	8253	266	2002	263548	282414	000
84- 1466 226 364 8454 8860	0001	-828-	3795	454	146	55869	59471	200
	3000	-40	1466	226	364	8434	BAAO	2000
30000 AXIMUM DOSE	10000						200	80.
AXIMUM DOSE	20000							
	AXIMUM DOSE							

Table II-30 Supplement to WSEG RM No. 10

8-24-59-2

Table 11-31 Supplement to WSEG RM No. 10

1 YIELD (MEGATONS)

40 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

		EFFECTIVE PACEDUL SILEAR SIL					
			•	5	•	1	00
-			Carrandon	MAXIMIM	ACTUAL	ESTIMATED	RAPIGE TO
3500	MAXIMILM	MAXIMUM	Carried State of the State of t	Chinosom	ABEA	AREA	MAXIMUM
ROENTGENS	ONIMO	DOWNWIND	AT ORIGIN	HALFWIDTH		(ELLIPSE)	WIDTH
	SOURCE	DISTANCE			20345.00	OF TATAB	64000
-	-959	97209	765	27.5	2000000	5024270	\$7000
•	-109	82675		4364	-	840000	44200
10	536-	10000	940	3325	1462626	20000	00000
	470-	51634	980	2355	1817500	956/361	20000
200	188-	35731	498	1466	912600	831548	23400
3	1000	22404	010	998	315137	308945	1 2000
200	1000	10674	282	•	19781	15101	4200
0001	-			218	11143	11939	1000
3000	50	3404		211			
10000							
30000							
4952							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4	KNO15/100	KNOTS/1000 FT. ALTITUDE		
					*	1	00
-	2		-	,	ACTUAL	ESTIMATED	RANGE TO
DOSE	MAXIMUM	MAXIMUM	CKOSSWIND	Caccaran	AREA	AREA	MAXIMUM
(BOENTGENS)	COMING	DOWNWIND	HALPWIDIN	HAIFWIDTH		(ELLIPSE)	WIDTH
	POSITION	DISTANCE	110110		CONTRACTOR.	SACOTAN.	\$7000
	-659	88384	174	9696	20565021	00000	0000
	-109	73759	719	7405	1757254	100000	000
	536-	57592	653	5193	4564195	4741708	38400
2 2	470-	43015	286	3480	2181518	2376877	00082
200	188-	27969	503	1988	840179	885589	19200
200	200-	16378	414	1083	276574	283602	0006
2000	174-	7380	284	495	60603	58793	4500
200		2413		216	6615	8363	1000
3000	200	311.3					
10000							
30000							
MAXIMUM DOSE							
200		SEESCHIVE EALLOUIT SHEAP	CHEAR OR	1	KNOTS/1000 FT. ALTITUDE		
					*	7	80
-	2	3			ACTUAL	ESTIMATED	RANGE TO
DOSE	MAXIMUM	MAXIMUM	CKOSSWIND	MAXIMUM	APFA	AREA	MAXIMUM
(ROENIGENS)	OPWIND	DOWNWIND	MALPWIDIN	HAIFWIDTH		(ELLIPSE)	WIDTH
	POSITION	DISTANCE	ALI CALCILA	-000	17042372	20475478	50400
-	653-	79275	808	10304	315354	3747746	44200
3	-865	04567	750	12063	8465601	4100386	33000
10	533-	16484	089	8038	099900	2000	23400
30	467-	34371	119	5056	2512015	5060017	0000
001	384-	20639	\$23	5696	821449	65068	20071
200	20%-	11090	459	1354	228546	242112	0000
2000	169-	4605	162	568	41095	45280	200
200	27.6	***		179	3033	4761	1000
3000	612						
10000							
30000							
SALANIMIN DOSE							
White state of the							

Calculated Fallout Contours

(Maximum Biological Dose)

YIELD (MEGATONS)

60 WIND (KNOTS)

ALL DISTANCES AND AREAS ARE SHOWN IN STATUTE MILES TO 2 DECIMAL PLACES. DECIMAL (NOT SHOWN) SHOULD BE READ BEFORE LAST 2 DIGITS.

-	,						
DOSE	MAXIMILA		7	2	9	1	α
COLENIE CENE	- IBWING	MAXIMUM	CKOSSWIND	MAXIMUM	ACTUAL	FSTIMATED	BANICES
(XOENIGENS)	ONIMA	DOWNWIND	HALFWIDTH	CROSSWIND	ABEA	4964	KANGE
	NOTIFICA	DISTANCE	AT ORIGIN	HALFWIDTH	5	C11100	MAXIMUM
-	636-	137848	3.2			(100)	WIDTH
•	581-	0.0811	000	***	10526246	11516718	87400
10	413			4102	6927940	7507123	79200
30	***	20014	6	2945	3994812	4258637	57000
001		79560	246	2031	2133155	2226547	44200
200	-600	46000	462	1223	883537	890962	28000
000	- 607	57149	368	969	312246	2000	
0001	124-	11554	223	348	67784	430.4	2000
3000	683	2370		124	0000	6040	4500
10000					2000	4040	1000
30000 MAXIMUM DOSE							
3607							
		EFFECTIVE FALL	EFFECTIVE FALLOUT SHEAR 0.4		KNOTS/1000 FT. ALTITLIDE		
-	2						
DOSE	MAXIMIM		,	2	9	7	œ
(ROENTGENS)	UPWIND	DOWNING	CKOSSWIND	MAXIMUM	ACTUAL	ESTIMATED	RANGETO
	POSITION	DISTANCE	HALFWIDTH	CROSSWIND	AREA	AREA	MAXIMIM
		DE WISIO	AI OKIGIN	HALFWIDTH		(ELLIPSE)	MIDIM
	636-	124559	738	8804	15430203	17313481	70200
	280-	102526	683	6602	9674221	10692689	2000
0	513	78309	617	4517	2100040	200000	200
30	4487	56743	540	2018	24 36 36	01.5466	20400
001	358-	35196	464	0041	450000	2600103	38400
300	263-	19382	369	8	100000	20000	23400
1000	124-	8030	227	37.6	200	507467	1 2000
3000	741	1729			• 1000	47876	4200
10000				:	1000	50**	1000
30000							
MAXIMIM DOSE							
3453							
		EFFECTIVE FALLOUT SHEAR	DUT SHEAR 0.8		KNOTS/1000 FT. ALTITLIDE		
-	2		•				
DOSE	MAXIMUM	MAXIMIM	Canana	0	•	7	80
(ROENTGENS)	DNIMO	DOWNWIND	HAIFWINTE	MOMINAM	ACTUAL	ESTIMATED	RANGE TO
	NOILISCH	DISTANCE	AT ORIGIN	TO STATE OF THE PERSON IN THE	AKEA	AREA	MAXIMUM
-	635-	110830				(ELLIPSE)	WIDTH
0	579-	88747	507	14680	22890910	25702935	71400
10	512-	2000	160	10627	13306899	14911195	57000
30	443-	2000	670	6839	6328374	7020106	44200
100	187-	0000	600	4166	2626285	2925323	28000
300	1 40	08162	472	2118	791596	849691	15400
1000		7 10.7	375	1003	201018	205061	
0000	-031	2664	223		33303	21055	300
0000							200
00001							
30000							
MAXIMUM DOSE							

Table II-32 Supplement to WSEG RM No. 10

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Table II-33 Supplement to WSEG RM No. 10